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NAVAL POSTGRADUATE SCHOOL Monterey, California





THESIS

ANALYSIS OF A PROPOSAL TO CONSOLIDATE AIRCRAFT INTERMEDIATE MAINTENANCE CAPABILITIES by

> James William Wirwille, Jr. and William Thomas Ainsworth

> > December, 1991

Thesis Advisor:

Thomas P. Moore

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Analysis of a Proposal to Consolidate Aircraft Intermediate Maintenance Capabilities

by

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Submitted in partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE IN MANAGEMENT

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ABSTRACT

This thesis analyzes the potential for consolidating duplicate maintenance capabilities of Navy Aircraft Intermediate Maintenance Departments (AIM:Ds) located in the same geographical area. The expected benefits and drawbacks of consolidation are examined. The benefits discussed include manpower reduction, support equipment reduction, inventory reduction, and increased productivity. The drawbacks discussed include increased transportation costs, facilities modification costs, impacts on customer service, additional maintenance management and administrative responsibilities, and reduced military resiliency. The thesis discusses options regarding the organizational and service levels consolidated, candidates for consolidation, locations of consolidated repair capabilities, and management of consolidated items. The thesis also analyzes the commonality in manning, automatic test equipment, and specific component repair capabilities of the two AIMDs located in San Diego, California: Naval Air Station North Island AIMD and Naval Air Station Miramar AIMD.

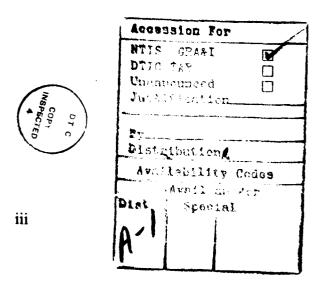


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I. INTRODUCTION

As with all the military services, the Navy is facing cutbacks in funding, manpower, and equipment as a result of planned reductions in defense spending. The New York Times reported that General Colin L. Powell, Chairman of the Joint Chiefs of Staff, told the commission on military base closures that "consolidation is needed to make the best use of shrinking resources in post-Cold War society."[Ref. 1: p. 1] Similarly, Captain John P. Hall, Director of Maintenance Policy (AIR-411) for the Naval Air Systems Command, has acknowledged the need for the Navy to develop concepts and procedures that will allow the Navy to continue to support fleet readiness with fewer resources in today's environment of "down-sizing."

The authors of this thesis believe that it may be possible for the Navy to decrease aircraft maintenance expenditures and maintain operational readiness by consolidating some of the duplicate maintenance capabilities found in Aircraft Intermediate Maintenance Departments located in the same geographic area. Most Naval Air Stations (NAS) have an Aircraft Intermediate Maintenance Department (AIMD) to provide

¹Taken from the minutes of the Prime Intermediate Maintenance Activity meeting held January 8-9, 1991 at the Naval Aviation Maintenance Office.

intermediate level maintenance support for the aircraft based at the air station. There are several metropolitan areas in the continental United States with more than one AIMD. NAS North Island AIMD and NAS Miramar AIMD are located 25 miles from each other in San Diego; NAS Moffett Field AIMD and NAS Alameda AIMD are located 30 miles from each other in the San Francisco Bay area; NAS Mayport AIMD, NAS Cecil Field AIMD, and NAS Jacksonville AIMD are all located in the Jacksonville, Florida area; and NAS Norfolk and NAS Oceana are both located in Norfolk, Virginia. Although there are some differences between these closely located AIMDs due to the different types of aircraft based at each site, all of these AIMDs perform the same basic intermediate maintenance functions involving airframes, powerplants, avionics, armament equipment, survival equipment, and support equipment.

This thesis analyzes the expected benefits of consolidation and specifically examines possibilities for partially consolidating the capabilities of the AIMDs located at NAS North Island and NAS Miramar. Currently, both NAS North Island and NAS Miramar operate fully independent AIMDs, with each AIMD being responsible for providing intermediate level support for the aircraft squadrons based at their air station.² NAS North Island AIMD supports C-2, S-3, H-2, H-3,

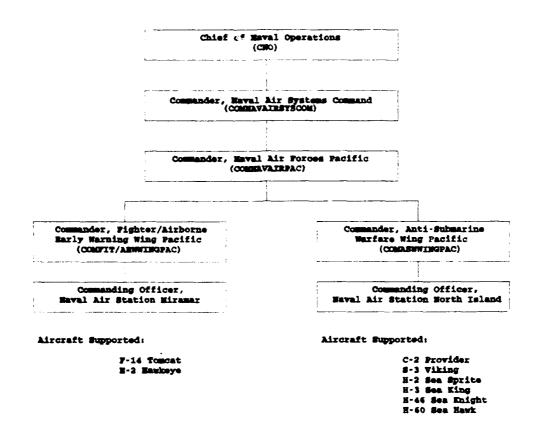
²North Island does send some C-2 aircraft components to Miramar AIMD for repair due to the similarities between the C-2 and the E-2 aircraft operating from NAS Miramar.

H-46, and H-60 aircraft. NAS Miramar AIMD supports E-2 and F-14 aircraft. Additionally, each AIMD provides support to West Coast-based aircraft carriers through "Repair and Return" actions.³ Figure 1 shows the chain of command for each air station.

Although North Island AIMD and Miramar AIMD support different types of aircraft, they both possess the broad areas of capability discussed in the previous paragraph, as well as specific areas of commonality discussed later in the thesis. Consolidating all or some of the duplicate maintenance capabilities of the two AIMDs can reduce the manpower, equipment, and inventory required to provide intermediate maintenance for aircraft operating from NAS North Island and NAS Miramar.

The authors acknowledge that there are several alternatives for consolidating AIMDs, such as two-level maintenance and total consolidation, but have limited the scope of this thesis to analysis of the potential for partial consolidation. Chapter II gives an overview of the Naval Aviation Maintenance Program. Chapter III then discusses AIMD organization, function, and capabilities, as well as

³Repair and return is an aircraft carrier support program under the authority of Commander, Naval Air Forces Pacific. Carriers (CVs) are allowed to send components to shore AIMDs for repair. North Island AIMD receives components from aircraft based at NAS North Island and Miramar AIMD receives components from aircraft based at NAS Miramar. Repair and return is normally used only before and after a major deployment.



NAS North Island and NAS Miramar Chain of Command Figure 1

describing the AIMD repair cycle. Chapter IV examines the expected benefits of consolidation, and Chapter V discusses options for partial consolidation. Chapter VI then analyzes the commonality between the AIMDs of NAS North Island and NAS Miramar. Chapter VII provides conclusions and recommendations.

II. OVERVIEW OF THE NAVAL AVIATION MAINTENANCE PROGRAM

A. NAVY AIRCRAFT MAINTENANCE PHILOSOPHY

Navy aeronautical maintenance, guidance, doctrine and objectives are explained in OPNAV Instruction 4790, Naval Aviation Maintenance Program (NAMP). The NAMP clearly states in the opening paragraph that "..the objective of the Naval Aviation Maintenance Program is to achieve and continually improve aviation material readiness,..., with optimal use of material, manpower and funds."[Ref. 2: p. 2-1] A primary NAMP philosophy is the repair of aeronautical equipment at the maintenance level which ensures optimal economic use of resources. The intent of the NAMP is to establish a program of "performance improvement" through teamwork, communication, and efficient use of resources focused to meet the needs of the customer [Ref. 2: p. 3-1]. The consolidation of common intermediate level maintenance support capabilities within a geographic area can positively support these objectives.

B. MAINTENANCE CONCEPTS AND LEVELS

A maintenance concept describes the overall system support environment and forms the baseline for determining specific logistics support requirements for equipment and systems. In general, a maintenance concept provides: the basis for supportability requirements in system design; the total

logistics support requirements and a basis for the maintenance plan; and leads to the identification of maintenance tasks, task frequencies, personnel skill levels, test and support equipment, spare and repair parts, facilities and other resources required to maintain the system [Ref. 3: pp. 104-105]. The Navy's aeronautical maintenance concept is defined in the Naval Aviation Maintenance Program Instruction, OPNAV Instruction 4790.2E.

The Naval Aviation Maintenance Program divides naval aeronautical maintenance into three very distinct levels, each joined through a common thread: supply. The three levels of aeronautical repair are the organizational level, intermediate level, and depot level. The Navy chose the three-level aircraft maintenance concept seeking the following advantages: reduced total costs; improved operational readiness; increased supply responsiveness; and improved mobilization, deployability and sustainability [Ref. 2: p. 2-1]. The three levels of maintenance are described in the following sections.

1. Organizational Maintenance

Organizational level (O-level) aircraft maintenance directly supports squadron operations, where the combined efforts of squadron maintenance personnel and supply support are transformed into full mission and mission capable aircraft. O-level maintenance forms the base (bottom level/tier) for the three-level maintenance concept, and

creates the demand for intermediate and depot levels of repair. The organizational repair level is often thought of as the lowest and simplest level of aeronautical maintenance.

O-level maintenance is the responsibility of the using activity, and consists of the completion of daily maintenance tasks by squadron maintenance personnel in support of squadron operations. O-level maintenance functions include inspecting, servicing, removing and replacing defective components, onequipment corrective and preventive maintenance, performing technical directives, and administrative record keeping and reporting.[Ref. 2: p. 3-1]

2. Intermediate Maintenance

Intermediate level (I-level) maintenance represents the middle tier in the three-tier maintenance system. I-level maintenance provides both direct and indirect support for the squadron organizational maintenance effort. Maintenance at the I-level consists of calibration, repair or replacement of damaged or unserviceable parts, components, or assemblies; the manufacture of parts not available through the supply system; and the provision of technical assistance to using organizations. I-level maintenance support for Navy aircraft operations is performed by Aircraft Intermediate Maintenance Departments (AIMDs) ashore and afloat. AIMDs are the focus of this thesis, and are discussed in greater detail in Chapter III.

3. Depot Maintenance

Depot level maintenance (D-level) is the highest level of repair in the NAMP, and is performed at Naval Aviation Depots (NADEP) and on-site by NADEP field teams. NADEPs accomplish both in-depth on-equipment and off-equipment repair and modifications. Maintenance at this level consists of major rework or complete rebuilding of parts, assemblies, subassemblies, and end items, including the manufacture, modification, testing, and reclamation of parts as required [Ref 4: p. 3-2]. D-level maintenance also supports the lower levels of maintenance by providing technical and engineering assistance, and advanced technical training to maintenance technicians at the lower levels.

Navy depot level maintenance is currently being consolidated in an effort to streamline maintenance and optimize resources in accordance with the directions of Defense Management Report Decision DMRD-908. The consolidation plan includes elimination of duplication of depot level repair for the entire United States, and a competitive bid process to improve cost accounting and increase competition. The competition for maintenance/rework projects is open to all NADEPs and private industry. will no longer have a guaranteed workload. If they are to remain open, they will have to compete on an equal basis with government and private industry.

4. Supply Support

All aeronautical maintenance activities, no matter how small, are assigned a supply activity to which material requests can be submitted and/or Ready for Issue (RFI) equipment can be processed and returned to the supply system or using activity. Supply support for the three-tier maintenance system is dependent on the integration and coordination between the three levels of maintenance and supply. This symbiotic relationship is crucial for the successful support of Naval Aviation. The loss of one element will adversely affect the remaining elements. The degree of success in coordinating the two complex elements, supply and maintenance, is measured by naval aviation readiness and the efficiency of resource management.

III. AIRCRAFT INTERMEDIATE MAINTENANCE DEPARTMENTS

A. FUNCTION

AIMDs provide intermediate-level maintenance support for squadron operations. AIMDs provide direct support to squadrons through actions and functions that deal directly with squadron-owned equipment or operations. An example of the AIMD's direct support for squadron-owned equipment is work done on parts and equipment the squadron sends to the AIMD for a specific maintenance action, such as staking a bearing or performing an I-level preventive maintenance action or inspection. Other examples of direct equipment support are the Non-Destructive Inspections (NDI) the AIMD performs on squadron aircraft, calibration services for squadron-owned support equipment, and test and check of aircraft components for fault troubleshooting. An example of the AIMD providing direct support to squadron operations are the AIMD's Support Equipment (SE) Pool and Individual Material Readiness Listing (IMRL) items Pool from which squadrons draw support equipment needed in the conduct of daily O-level operations and maintenance.

The majority of the AIMD effort is directed towards providing indirect support to squadrons by repairing non-Ready

For Issue I-level repairable aircraft parts and equipment. The majority of the items the AIMD repairs are placed in the air station Supply Department's inventory, from which squadrons draw replacements for I-level repairable items.

B. LOCATIONS

As stated in Chapter II, intermediate level aeronautical repair and support is accomplished at AIMDs both ashore and afloat. Aircraft carriers have AIMDs to support shipboard aircraft operations, and naval air stations located throughout the continental United States and the world have AIMDs to provide I-level support for aircraft operating from shore sites. Figure 2 is a map showing the locations of the major AIMDs in the continental United States.⁵

There are four metropolitan areas within the continental U.S. with more than one AIMD located in close proximity to each other: Norfolk, Virginia; Jacksonville, Florida; San Francisco, California; and San Diego, California.

^{*}Ready For Issue/Installation parts and equipment are items fully functional for their intended use. Non-RFI items are not RFI because of malfunction, or because they require test, inspection, servicing, or other maintenance before use.

⁵In addition to the AIMDs shown on Figure 2, there are Reserve AIMDs located in: Atlanta, Georgia; Chicago, Illinois; Dallas, Texas; New Orleans, Louisiana; and Willow Grove, Pennsylvania.

One of the two AIMDs in the San Francisco, California area, NAS Moffett Field, is presently scheduled for closure.



Locations of AIMDs in the Continental United States Figure 2

Table 1 lists the AIMDs that are located in close proximity to each other and the primary types of aircraft they support. These are the AIMDs considered by the authors to be candidates for consolidation.

C. ORGANIZATION, MANNING, AND TRAINING

In accordance with the NAMP, shore AIMDs have been organized and structured the same way regardless of the number or types of aircraft supported. Such standardization ensures effective management within a framework of defined authority, responsibility and function. Standardization also establishes

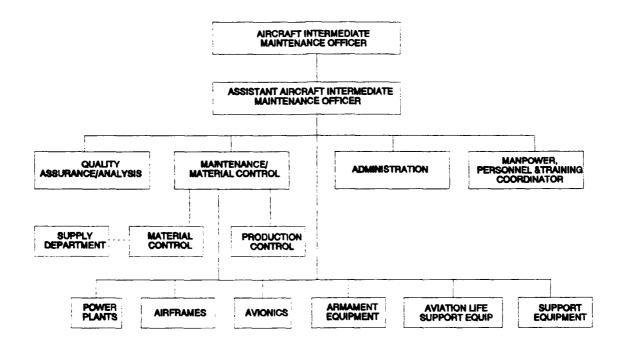
Table 1: METROPOLITAN AREAS WITH MORE THAN ONE AIMD

AIMD	Metropolitan Area	Aircraft Supported						
NAS Norfolk	Norfolk, Virginia	E-2C, H-46, H-53						
NAS Oceana	Norfolk, Virginia	A-6E and F-14C						
NAS Jacksonville	Jacksonville, Fl	P-3C, H-60F, H-3						
NAS Cecil Field	Jacksonville, Fl	F/A-18, S-3						
NAS Mayport	Jacksonville, Fl	H-2 and H-60B						
NAS Moffett Field	San Francisco, Ca	P-3C						
NAS Alameda	San Francisco, Ca	H-53						
NAS North Island	San Diego, Ca	S-3, C-2, H-2, H-3, H-46, H-60B, H-60F						
NAS Miramar	San Diego, Ca	F-14C, E-2C						

mutually-supportive relationships between the AIMD, supply activities, and supported activities, with the goal being to improve performance, economy of operation, optimal use of available resources and quality of work. [Ref 4: p. 3-1]

1. Organization.

The AIMD organizational structure incorporates a hierarchical span of control with specific alignment of functions and division of work. The standard organization structure presented in Figure 3 illustrates the hierarchical relationships between AIMD management, staff and production divisions [Ref 4: p. 3-3]. As depicted, Figure 3 shows the upper management positions of Aircraft Intermediate



Shorebased AIMD Organizational Structure

Figure 3

Maintenance Officer and Assistant Aircraft Intermediate staff functions of Quality Maintenance Officer; the Maintenance/Material Control, Assurance/Analysis, Administration, and Manpower, Personnel and Training, and production divisions. Figure identifies the also illustrates the close relationship between maintenance and supply by showing Maintenance/Material Control as the link between the Supply Department and the Production Divisions.

There is basic commonality in the types of maintenance performed at all AIMDs. The weapons systems supported may

differ, but the general types of intermediate level maintenance capabilities do not. This latter commonality is reflected by the standardization of AIMD production divisions: Production Control, Quality Assurance, Power Plants, Air Frames, Avionics, Aviation Life Support, Armament Equipment and Support Equipment. The following sections give brief discussions of each division's basic maintenance capabilities and responsibilities.

a. Production Control.

Each AIMD has a production control staff (organizational code 020) to support, coordinate and control the maintenance effort. Production Control acts as the main interface between the supported activities and the work centers, and is also the interface between the AIMD and the air station's Supply Department.

b. Quality Assurance Division.

The Quality Assurance Division (organizational code 030) consists of a small group of highly skilled maintenance technicians and aviation administrative personnel. The overall objective of Quality Assurance is to prevent product defects through process monitoring and inspection [Ref 4: p. 7-3]. In addition to inspection, the Quality Assurance (QA) Division is responsible for gathering, analyzing and maintaining information on the quality characteristics of products, and the source and nature of defects. This

information forms a historical database available for decision making and identifying problem areas. Quality Assurance also maintains the Central Technical Publications Library (CTPL), which serves as the source for current technical information used for repairs and training. The QA Data Analyst is responsible for providing quantitative and qualitative analytical information to maintenance managers. The Data Analyst also collects and screens for accuracy all Maintenance Data System (MDS) source documents.

c. Power Plants Division.

The Power Plants Division (organizational code 400) is tasked with repairing and inspecting aircraft engines, auxiliary power units (APU), and engine accessories and components. The Power Plants Division is also responsible for maintaining and operating engine test facilities. AIMDs are assigned a specific level of support for specific engines. This assignment is based primarily on the type and number of engines to be supported both on the individual air station and within the geographical area.[Ref. 4: p. 11-1]

d. Airframes Division.

The Airframes Division (organizational code 500) consists of several interrelated work centers, each providing a different type of aircraft structural repair or maintenance. Commonly, the Airframes Division will have the following work centers: Structures; Hydraulic/Pneumatic; Brakes; Tire/Wheel;

Nondestructive Inspection; Paint; and a Machine Shop. Structural Repair Shop is responsible for sheet metal aircraft structural repair fabrication. and component corrosion prevention and treatment. The Hydraulic/Pneumatic Shop repairs hydraulic components and equipment (i.e., pumps, valves, accumulators and struts), and fabricates hydraulic and pneumatic hose and tubing assemblies. The Brake Shop is responsible for repairing aircraft brakes. The Tire and Wheel Shop assembles aircraft tire and wheel assemblies. destructive Inspection (NDI) evaluates parts for excessive wear or defects without affecting their future use. The Machine Shop manufactures parts which are not available through the supply system or commercial sources.

e. Avionics Division.

The Avionics Division (organizational code 600) is comprised of numerous work centers, and is typically the largest division in the AIMD. Avionics Division is responsible for repairing aircraft communications, navigation, computer, electrical, radar, sonar, weapons control systems, and other aircraft electronic systems. Additionally, the Avionics Division operates a Precision Measuring Equipment (PME) Calibration Branch, which calibrates and repairs test and measuring equipment.

f. Armament Division.

The Armament Division (organizational code 700) maintains and repairs aircraft weapons delivery systems, such as guns, rocket launchers and bomb racks. Maintenance includes an active corrosion treatment and prevention program, performing periodic inspection, and preserving and storing weapons.

g. Aviation Life Support Systems Division.

The Aviation Life Support Systems (ALSS) Division (organizational code 800) maintains aircrew personal survival and life support equipment, and aircraft egress systems. ALSS include oxygen systems, escape systems, fire extinguishing systems, aircrew clothing, survival kits, parachutes and associated hardware, and flotation devices. ALSS maintenance includes equipment repair, treatment and prevention of corrosion, and periodic inspections.[Ref. 4: p. 11-70]

h. Support Equipment Division.

The Support Equipment Division (organizational code 900) is responsible for maintenance and inventory control of non-avionic support equipment primarily used by organizational activities. Support equipment can be divided into two broad categories: 1) Common Support Equipment (CSE), which is general purpose support equipment such as towing or mobile power equipment used on a variety of different aircraft types; and 2) Peculiar Support Equipment (PSE) specifically designed

and developed for a particular weapons system. The Support Equipment Division is also responsible for training and licensing personnel in the care and use of support equipment.

2. Manning and Training.

a. Manuing.

Each AIMD is manned in accordance with the OPNAV 1000/2 Manpower Authorization (MPA). The MPA gives the composition (rates and billets) and quantity of personnel authorized for each naval activity. Each AIMD's Manpower Authorization is different, but there is a great deal of similarity in the basic requirements. Because each AIMD has capabilities (to some degree) to perform repairs/maintenance to power plants, airframes, avionics, armament equipment, survival equipment, and support equipment, all AIMDs are manned with maintenance technicians from the same basic skills rates: Aviation Machinist's Mate (AD), Aviation Electrician's Mate (AE); Aviation Structural Mechanic/Safety Equipment (AME); Aviation Structural Mechanic/Hydraulics (AMH); Aviation Structural Mechanic 'Structures (AMS); Aviation Ordnanceman (AO); and Aircrew Survival Equipmentman (PR). From these basic source ratings, AIMDs receive technicians with the specific training and skills required to provide I-level support for the types of aircraft that the AIMD supports.

The Navy Enlisted Classification (NEC) coding system supplements the enlisted rating structure by

identifying technicians with required skills and qualifications to fill each AIMD's Manpower Authorization.

NECs are attained through the completion of various training requirements. The following is an overview of the Navy's I-level aviation maintenance training program.

b. Training.

Maintenance training is a vital element in naval aviation. The quality and availability of technical training determines the functional capabilities of operating forces and support activities. The Maintenance Training Program is designed to ensure basic, intermediate, and advanced levels of training for all maintenance personnel. Maintenance training is a continuous process that begins when personnel enter the service and progresses throughout each service member's tour of service with more advanced and specialized training.

The Navy's skills training program is a major factor in the commonality between AIMDs. Specialized skills are required to maintain, repair and operate present-day weapons systems and associated equipment. The majority of AIMD technicians receive initial training enroute to their first duty station. This initial training is conducted at Class A School ("A" School), and provides the basic technical knowledge and skill to prepare an individual for entry level

⁷Some I-level personnel attain their basic skills rating through on-the-job training (OJT) and passing a rating examination.

performance on the job and for additional specialized training. Specialized training to qualify personnel for specific maintenance tasks is attained through Class C schools ("C" School), Practical Job Training (PJT), the Maintenance Training Improvement Program (MTIP), formal instruction at local Fleet Readiness Aviation Personnel Departments (FRAMPS), Naval Aviation Training Group Detachments (NAMTRAGRUDETS), Fleet Aviation Specialized Training Groups (FASOTRGRUS), Naval Aviation Depots (NADEPS), and factory training.

Some training qualifies technicians for a Navy Enlisted Classification (NEC), which is a code to identify personnel qualified in specific areas/tasks. NAVPERS Manual 18068, Volume II lists all NECs and qualification requirements. Since NECs identify skills associated with specific maintenance tasks, they are an excellent means for comparing the commonality of AIMDs.

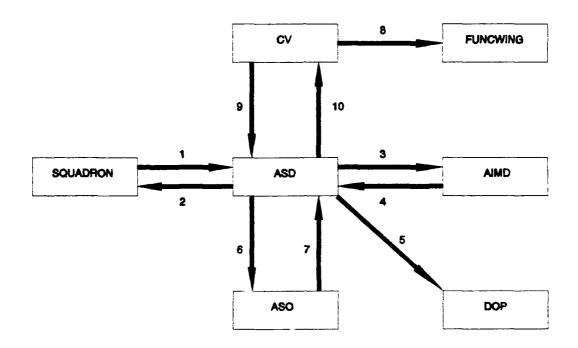
D. AIMD MAINTENANCE

As stated in Section A of this chapter, the majority of the AIMD effort is involved with repairing I-level repairable parts and equipment. Because the authors feel these repair capabilities offer the greatest opportunity for consolidation, this section will provide an overview of the AIMD repair cycle and discuss AIMD maintenance management, supply support, and funding.

1. The AIMD Repair Cycle.

Naval Air Station Supply Departments (which will be referred to as simply "Supply") maintain an inventory of Ready For Issue (RFI) repairable aircraft equipment and parts in order to be able to quickly satisfy squadron demand for replacements of non-RFI items. Supply's inventory of repairable items is commonly referred to as the "rotable pool" or just the "pool." AIMD capabilities and productivity are crucial factors in maintaining the pool at a level sufficient to meet squadron demand. Figure 4 and the following discussion explains the basic procedures for processing non-RFI pool items.

- (1) Squadron turns a non-RFI item into the Supply Department's Aviation Support Division (ASD) and orders a replacement part.
- (2) ASD supplies replacement part from its pool, if available.
- (3) ASD assigns a repair priority to the non-RFI part and passes the part to AIMD for repair. The highest priority for repair is Priority 1 (PRI 1), which is commonly referred to as Expeditious Repair, or "EXREP." The EXREP priority is assigned to the repair of components and equipment for which there is no replacement item available in the pool to give to the squadron. Priority 2 (PRI 2) is assigned to the repair of items for which the pool level has dropped below the specified "pool critical" level. For example, if the



AIMD Repair Cycle

Figure 4

inventory allowance for an item was ten and the specified pool critical level was four, once on-hand RFI inventory falls to four, all subsequent items inducted for repair would be inducted with PRI 2 assigned. If the pool inventory continued to fall to zero, all subsequent items would be inducted as EXREP. Priority 3 is assigned to the repair of items for which inventory is above the pool critical level.

(4) AIMD either repairs the defective part or declares it Beyond Capability of Maintenance (BCM), and passes it back

- to ASD. If repaired, the part is either placed in the pool, or if EXREP, delivered directly to the squadron.
- (5) ASD ships BCM'd parts to the Designated Overhaul Point (DOP), usually a Naval Aviation Depot (NADEP).
- (6) ASD orders a replacement for the BCM'd part via the Aviation Supply Office (ASO).
- (7) ASO charges the ASD/AIMD for repairing parts which belong to the Aviation Depot Level Repairable (AVDLR) Funds account.
- (8) Aircraft carrier (CV) requests repair and return disposition instructions from cognizant Functional Wing (FUNCWING) for defective components removed from FUNCWING aircraft.
- (9) If directed by the FUNCWING, CV forwards non-RFI components for repair and return action by the AIMD that supports the aircraft while operating ashore.
- (10) Repaired parts are returned to the CV inventory. If a part is BCM, ASD will ship it to the Designated Overhaul Point (DOP) per CV instructions. CV orders a replacement part and is charged the AVDLR repair cost.

^{*}AVDLR was created to ensure Depots had funding to match their workload, and as an incentive to AIMDs to increase repair capabilities. When an AIMD BCM's a depot-level repairable item, it must provide a designated amount of AVDLR funds to ASO to fund the repair.

^{*}As mentioned in Chapter I, NAS North Island and NAS Miramar provide support to West Coast based aircraft carriers through repair and return action.

2. Supply Support.

Supply is responsible for providing AIMDs with the material support required to perform intermediate level maintenance and repair. This includes materials to maintain AIMD equipment as well as the parts and consumables needed in the repair and maintenance of aircraft components and equipment. Some of the spare repair parts required by the AIMD are I-level repairable items themselves, and for these, supply replenishment actions follow the same basic pattern as described in Figure 4; the item is either provided from pool inventory or through EXREP repair action.

Air station AIMDs and Aviation Support Divisions (ASD) work hand-in-hand to provide support to tenant aircraft squadrons. The AIMD Maintenance/Material Control Officer and the ASD Officer are in constant communication regarding repair priorities and the expediting of needed repair parts. Additionally, the AIMD and the Supply Department share responsibility for the Aviation Depot Level Repairable (AVDLR) funds. Because the AIMD and ASD are mutually supportive of aircraft squadrons, the term Intermediate Maintenance Activity (IMA) is often used to describe the two activities as one.

3. Maintenance Management.

With few exceptions, AIMD maintenance managers primarily deal with non-RFI items originating from the aircraft based at the AIMD's air station. The workload is

processed in accordance with the regulations and procedures of the OPNAV Instruction 4790 Series and other miscellaneous directives.

Workload prioritization generally follows the guidelines discussed in Chapter II: Priority 1 (EXREP) first, followed by Priority 2 (Pool Critical), followed by Priority However, inputs on readiness priorities from 3 items. squadron, Functional Wing, and Type Commander authorities are particularly important and directly affect the scheduling of Squadrons provide the AIMD with inputs AIMD workload. regarding prioritization of particular squadron components in the AIMD repair cycle. Functional Wings provide the AIMD with guidance regarding the "pecking order" of squadrons, with squadrons preparing for deployment usually receiving priority over other squadrons. Type Commander input usually reflects readiness concerns of a larger scope, such as a problem with an entire aircraft type or conduct of a particular maintenance It is the squadron, Functional Wing, and Type program. Commander inputs that aid the AIMD in aligning its workload priorities with the priorities of its customers.

4. Funding.

The two major funding categories related to I-level repairables are: 1) Aviation Fleet Maintenance (AFM) funds; and 2) Aviation Depot Level Repairable (AVDLR) funds. AFM funds are used to purchase consumable repair parts, such as O-

rings, gaskets, and diodes. AVDLR funds are used to fund depot-level component repair and to purchase replacements for repairable items. Naval air stations get the funding to operate their Supply Departments and AIMDs from the AFM and AVDLR budgets supplied to Type Commanders, such as COMNAVAIRPAC. The Type Commanders get their AFM and AVDLR budgets based on the specific type/model/series aircraft they must support. Accordingly, Type Commanders distribute these funds to the air stations based on the type of aircraft supported at each site, and on planned operations tempo.[Ref. 5]

IV. EXPECTED BENEFITS OF CONSOLIDATION

The intent of consolidation is not to simply shift the responsibility for repair, but to shift the resources for repair as well. The objective of consolidation is reduce costs through more efficient use of resources without decreasing operational readiness. This chapter presents past research and quantitative analysis that support the assumption that consolidation of AIMD repair capabilities has the potential to: achieve cost savings through reductions in manpower, support equipment, and inventory; improve facilities utilization; and improve productivity.

Busch [Ref. 9] determined the potential for a nearly 50% reduction of Avionics Intermediate Shops (AIS) test sets used in F-16 intermediate level repairs, if repair capability were removed from individual sites and consolidated at a Central Intermediate Repair Facility (CIRF). Ballou [Ref. 10] found that consolidation can reduce safety stock inventory because of less uncertainty in demand. Hunt [Ref. 11] discusses improved technical proficiencies, concentrated production management, and contributions to improved reliability through consolidation of intermediate aircraft support in the Air Force. Smith [Ref. 15] and Jones [Ref. 16] state consolidation will improve the efficiency of service

facilities. Smith's and Jones' findings are supported by computer computation of a consolidation scenario.

In order to give the reader a point of reference while considering the analysis of the expected benefits of consolidation, a brief discussion of the authors' view of consolidation follows. As stated in Chapter I, the thesis concerns the potential for partial consolidation of duplicate capabilities of AIMDs located in the same geographical area. As discussed in greater detail in the next chapter, partial consolidation means that the AIMD organizational units considered for consolidation are individual divisions, branches, or work centers. Accordingly, differing levels of repair are considered candidates for consolidation, such as all avionics repair, or just communications equipment repair, only receiver-transmitter repair, or even specifically, the repair of a particular receiver-transmitter like the ARC-159 Transceiver. Also, consolidated repair capabilities could be established at only one of the AIMDs (single-siting), or each AIMD could be assigned specific consolidated repair responsibilities (multiple-siting).

1. Manpower Benefits.

a. Supervisory Manpower Reduction.

The potential for manpower savings at the supervisory level is evident. If one AIMD's operation is run with two shifts and two supervisors, and the other AIMD's

operation is run with three shifts and three supervisors, there are five supervisors between the two AIMDs. If this repair function were consolidated, it is not unreasonable to expect the consolidated operation to be run with no more than three shifts and three supervisors. The typical supervisor is at the E-6 paygrade. For Fiscal Year 1992 Military Personnel, Navy (MPN) appropriations, the Navy budgeted \$39,430 for each person in the E-6 paygrade [Ref. 6]. A reduction from five to three E-6 supervisory personnel represents a potential annual savings of nearly \$80,000 to the MPN appropriation. Table 2 lists FY 1992 MPN appropriation budgeted amounts for E-3 through E-9 enlisted personnel.

Table 2: BUDGETED MILITARY PERSONNEL COST

PAYGRADE	MPN BUDGET PER INDIVIDUAL			
E-3	\$22,738			
E-4	\$26,838			
E-5	\$32,643			
E-6	\$39,430			
E-7	\$46,599			
E-8	\$54,164			
E-9	\$64,143			

b. Direct Labor Reduction.

There is also potential for manpower savings through greater efficiency in the use of direct labor. For

example, if the AIMDs at North Island and Miramar have ten-man shops and both are averaging a 90% manpower utilization rate (with leave, training, TAD, and sick time taken into account), as separate entities it would not be practical to reduce personnel because it would place them at 100% utilization with no excess capacity to meet periods of above average workload. If the shops were combined, their combined workload should also fall at the 90% utilization rate. Ten percent under utilization of a 20-man shop = two "excess" technicians. If one of these technician billets were cut, the combined shop would be at a 95% utilization rate and have a 5% "cushion" to handle above-average workloads.

c. Manpower Analysis and Billet Reduction.

It must be emphasized that accurate assessment of manpower utilization is crucial to realizing manpower savings. Regardless of the degree of consolidation, a manpower utilization analysis is needed in order to meet the manpower savings objective of consolidation. Manning requirements for the consolidated activity must be evaluated and excess personnel cut from manpower authorizations. There will be no manpower cost savings if the consolidated repair activity simply integrates all the personnel from the source AIMD into its operations.

The determination of billet requirements and the potential for manpower reduction is a joint effort between

several entities. The CINCPAC Management Analysis Team is responsible for conducting manpower efficiency reviews for Pacific Fleet activities. The team examines historical production data, reviews applicable production and administrative directives, and interviews personnel determine manpower requirements and degree of utilization of present manpower assets [Ref. 7]. The Management Analysis team makes manpower recommendations, but the COMNAVAIRPAC Manpower Planning Department is actually responsible for managing AIMD billets. The Manpower Planning Department will solicit the inputs of maintenance experts before implementing manpower reductions or additions [Ref. 8].

d. Simplified Manpower Management.

Manpower management responsibilities interacting with the Enlisted Personnel Management Activity (EPMAC) to obtain personnel of the proper rate, rank, and NEC to fill manpower allowances; arranging formal in-rate training to obtain and maintain qualifications; and administrative functions, such as performance evaluation and career counseling. These responsibilities will not be eliminated by consolidation, but consolidation can decrease the number of different types of technicians managed at each AIMD, which will simplify NEC and training management.

e. Training.

Training benefits could be substantial when the repair of entire functions or families of parts is consolidated. Technicians at a consolidated maintenance site would be exposed to components from all the different aircraft types serviced by the consolidated site, rather than just the components peculiar to the aircraft serviced by an individual AIMD. Cross-training increases a technician's capabilities, which is especially beneficial for aircraft carrier (CV) operations. CV AIMDs are tasked with supporting many different types of aircraft from several functional wings. The broader the base of its technician's experience, the easier it is for the CV AIMD to service the embarked airwing.

Tire and wheel build-up is an example of a function of similar commonality between the AIMDs at North Island and Miramar in which cross-training would be beneficial to carrier operations. Tire and wheel build-up is taught via on the job training (OJT). North Island and Miramar both operate Tire and Wheel Build-up work centers, and both AIMDs provide qualified SEAOPDET personnel in support of carrier air wing operations¹⁰. North Island SEAOPDET technicians are trained

¹⁰Sea Operations Detachment (SEAOPDET) personnel are I-level technicians on sea duty, but assigned to shore AIMDs rather than to carrier AIMDs. The shore AIMDs are responsible for training the SEAOPDET personnel in I-level support for the type of aircraft based at the shore AIMD's air station. When aircraft deploy onboard the aircraft carrier, the AIMD temporarily transfers SEAOPDET personnel to the carrier AIMD to provide support.

in the repair of H-3, H-60, C-2, and S-3 tires and wheels (among other non-carrier based types) and Miramar SEAOPDET technicians are exposed to F-14 and E-2 assemblies. At sea, both groups of technicians work in the same shop. Consolidating tire and wheel build-up would facilitate crosstraining on shore and thus provide more extensively trained technicians at sea.

2. Support Equipment Reduction.

The greatest potential for support equipment (SE) reduction lies in increasing utilization. (To simplify the writing, this section will refer to all common and special purpose hand tools, test fixtures, Automated Test Equipment (ATE), Test Bench Installations (TBI), Maintenance Assist Modules (MAMs), Interconnecting Devices (ID), and other equipment used for the repair and/or maintenance of aeronautical equipment as support equipment.) Many items of SE have low usage because they are used for infrequently occurring repairs or inspections. Regardless of their low utilization rate, each AIMD is supplied with this SE in order specific have the ability to do those repairs. Consolidation of intermediate repair capability can reduce the inventories of low-usage support equipment through improved utilization.

Consolidation of SE can be particularly beneficial when SE availability is a constraint at one AIMD, but not the

other. If one AIMD is experiencing a workload backlog due to insufficient support equipment availability and the other AIMD has an excess of such support equipment, consolidation will allow the excess capacity to be used.

Past research and experience support the presumption that consolidation will reduce support equipment requirements. research conducted at the Air Force Institute Technology, a multi-command panel of experts examined the potential for reducing the numbers of Avionics Intermediate Shops (AIS) test sets used in F-16 intermediate level repairs, if repair capability were removed from individual sites and consolidated at a Central Intermediate Repair Facility (CIRF): "The consensus statement indicated an almost 50% reduction in test sets was possible."[Ref. 9: p. 109] This same research also cited other research as well as tests and applications of consolidated maintenance that supported the estimate of the panel: an Army study on a two-level maintenance concept; a 1977 Strategic Air Command test of the Consolidated Aircraft Maintenance Repair Center Concept (CRC); the implementation and operation of an Air Force centralized intermediate repair facility known as the Pacific Air Force Logistic Support Center (PLSC); and a Defense Resource Management Study (DRMS) on consolidating intermediate maintenance for CONUS-based A-10 aircraft.[Ref. 9: pp. 109-110]

The expert panel acknowledged that the excess support equipment created by consolidation will not immediately

produce savings because the cost of the equipment has already been incurred. However, several suggestions were made for using the surplus equipment: forward pre-positioning; as a source of replacements and spare parts (which could raise SE availability rates); and foreign military sales.[Ref. 9: p. 109]

Inventory Reduction.

Consolidating spare parts inventories is an aspect of repair capability consolidation. The spare parts inventory is comprised of three elements: 1) material in the pipeline (in transit between stocking or production points because material transportation is not instantaneous); 2) regular or "cyclical" stock necessary to meet average demand between replenishments; and 3) safety stock, which is inventory over and above regular stock and kept as a hedge against variability in demand and replenishment lead time [Ref. 10: p. 357]. Meeting aircraft component repair demand requires a high level of spare parts safety stock because the quantity and timing of demand (variability) is difficult to predict. Consolidating inventory can reduce the quantity of parts required for safety stock because "as demand is concentrated at fewer stocking points, there is less uncertainty in demand to take into consideration and total safety stocks can be reduced."[Ref.10: The following theoretical example illustrates the potential for inventory savings through consolidation:

North Island AIMD's average lead time demand for consumable Part XYZ is four per week, and demand varies with a standard deviation of two. Assuming normally distributed demand, 90% protection against stock-out (i.e, a 10% probability of stock-out) is standard deviations above the Accordingly, to have 90% confidence that a Part XYZ will be available when needed, North Island will have to maintain safety stock of 1.28 x 2 = 2.56Miramar AIMD's average weekly demand for parts. Part XYZ is eight with a standard deviation of three. To maintain the same 90% confidence factor, Miramar's safety stock will have to be 1.28 x 3 = This means the Part XYZ safety stock held between the two AIMDs is 2.56 + 3.84 = 6.40 parts.

If repair capabilities were consolidated, the average consolidated demand for Part XYZ would be expected to be the sum of the demand of the individual AIMDs, which is 12 per week. The standard deviation of the consolidated demand would be the square root of the sum of the variances of the individual AIMDs, which is 3.6. Thus, to maintain a 90% confidence level of being able to fill requirements immediately upon demand, the consolidated activity would only have to maintain safety stock of $1.28 \times 3.6 = 4.60 \text{ Part XYZs}$, which is a savings of 6.40 - 4.60 = 1.80 parts.

Another way in which consolidation may decrease inventory requirements is through the reduction of turnaround times and backlog, which is discussed in Section 5. Blanchard discusses the connection between inventory level turnaround time: "Essentially, spare-part quantities are a function of demand rates and include consideration of ... an additional stock level of spares to compensate for repairable items in the process of undergoing maintenance. If there is a the backup (lengthy gueue) of items in intermediate maintenance shop or at the depot awaiting repair, these items obviously will not be available as recycled spares for

subsequent maintenance actions; thus, the inventory is further depleted (beyond expectation), or a stock-out condition results."[Ref. 3: p. 47]

4. Improved Facilities Utilization.

Facility utilization can be viewed as the ratio of time used to time available for use, as well as in terms of space available versus space used. Both of these measures can be increased through consolidation. North Island and Miramar are presently operating day and night shifts Monday thru Friday and day shift on the weekends11. Facilities are in use 16 hours per day Monday thru Friday and eight hours per day Saturday and Sunday for a total of 96 out of the 168 hours available per week. This equates to 57% facilities Consolidation can justify and provide the utilization. resources for adding work shifts, which will improve facility time utilization. Additionally, some functions may be able to absorb additional personnel and equipment into currently unused work areas, which improves facility space utilization.

Consolidation also provides the opportunity to reduce or eliminate facility constraints on AIMD production. Removing low-volume repair functions will make space available to expand production capabilities or improve the work flow of high-volume functions.

[&]quot;North Island has one work center, the Versatile Avionics Shop Test (VAST) Work Center, operating 24 hours a day, 7 days a week.

5. Improved AIMD Productivity.

a. Past Research.

In the mid-1970's, the Air Force conducted a Maintenance Posture Improvement Program evaluate to alternative aircraft maintenance structures. One alternative studied was the Centralized Intermediate Logistics Concept (CILC), which called for a Centralized Intermediate Maintenance Facility (CIRF) to consolidate the intermediate level repair being done by various field units. The initial concern addressed by the CILC study was cost reduction, but force effectiveness became an additional point of study.

"The studies suggested that centralized support achieved higher mission capabilities at reduced costs. Centralization improved technical proficiencies, concentrated production management, combined spares, and contributed to improved reliability." [Ref. 11: p. 18]

b. Queueing Theory and Productivity.

Queueing theory supports the conclusion that consolidating duplicate AIMD capabilities can improve productivity. Queueing theory is the study of the arrival of customers to some type of process, the time customers spend waiting to be served, and the time they spend being served. Queues form as customers arrive and await service. Waiting lines for bank tellers, traffic toll booths and grocery check-outs are familiar queues. Queueing theory has developed

a number of models that can be used to predict the average number of customers awaiting service, the average number of customers in the system, the average time spent awaiting service and the average total time in the system. These models are based on the three basic characteristics of queueing systems: 1) arrivals (customers or demand); 2) service mechanism (people and/or equipment); and 3) queue discipline (first-in/first-out, last-in/last-out, etc.).[Ref. 12; p.1]

The rate customers arrive for service (the number of customers that arrive during an interval of time) is one of the basic characteristics of a queueing system. For AIMDs, this characteristic is fulfilled by non-RFI aircraft parts and equipment requiring I-level maintenance or repair. The non-RFI items (customers) begin queueing up when they arrive at AIMD Production Control for induction into the repair cycle. The components must wait (Awaiting Maintenance (AWM)) in the repair cycle queue until a service channel (maintenance technician with required test/repair equipment), is available. The arrival rate of non-RFI items is based on the failure rate of the component and (for the vast majority of items) is independent of the failure rate of other items.

There is a finite population of potential AIMD "customers" (I-level repairable parts and equipment) at any one time. This population of customers is dependent on the number of supported activities and the number of components

installed in supported weapons systems. The arrival rate of components ("customers") for AIMD repair is dependent on the failure rate, or reliability function, of the specific equipment. Non-RFI items could arrive in a fairly consistent pattern (as with parts on scheduled maintenance intervals) or the arrival pattern could be quite irregular (unscheduled maintenance actions). The difference in the arrival rates of non-RFI components into the AIMD repair cycle is based on differences in the distribution of failures. Failure rate distribution patterns include gamma, Weibull, and many others.

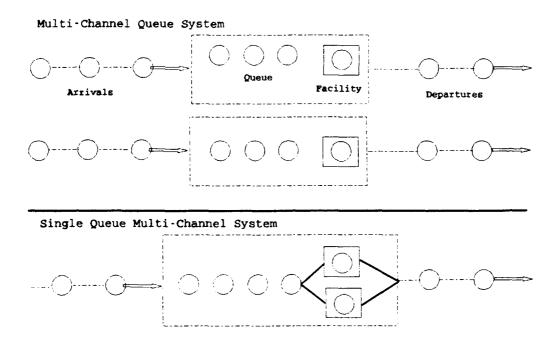
Service rate is a function of the number of servers available and the time taken by each to serve a customer. Most models provide analysis for "homogeneous" queueing systems where the customers need the same service and servers are able to provide the same service. AIMD production has both heterogeneous and homogeneous characteristics. When the overall production effort of the AIMD is considered, the AIMD appears to be a heterogeneous system because an AIMD repairs a wide variety of parts, with each part often requiring a different type of repair. When the focus of AIMD production is narrowed down to the repair of one particular part, the AIMD can be viewed as a homogenous system. However, even this homogenous system is subject to great variability. Parts of the same type often have differences in the type or depth of repair required. Additionally, service times for the same

type of repair will differ between technicians (servers) because the proficiency of a technician is determined by a number of variables, including experience, technical knowledge, and personal skill on the systems he/she is repairing. These variations in customer requirements and service times can be statistically analyzed to determine mean service times and demand distribution patterns.

Another basic queueing theory characteristic is queue discipline, which concerns the order in which customers are taken from the queue. Queues can have a variety of Common methods include; first-in/first-out, disciplines. last-in/first-out, shortest processing time or longest processing time. Additionally, there can be differences in the manner of customer service within these basic methods. Some queue disciplines allow for "jumping," which is common at retail store check-outs where customers "jockey" for position in the line with the fastest service. Other queues establish some type of priority system, like a hospital emergency room where the seriously injured patients are served first [Ref. 13]. As described previously in Chapter III, AIMDs have an established priority system for servicing customers. The first customers to be served are the Expeditious Repair, or "EXREP" components. Priority 2 (PRI 2) customers ("pool critical") are next in line, and Priority 3 customers are served last.

The variety of ways in which the three basic combined is infinite. queueing characteristics can be Consequently, much research has been devoted to the understanding and expansion of queueing theory, with emphasis on developing mathematical techniques to assist in the analysis of queueing models. A principal area of study in mathematical queueing analysis is the effects of combining two or more separate queues. This area of study has direct application to the analysis of consolidating AIMD workloads and repair capabilities. The process of combining queues is termed "pooling." Figure 5 is a graphic illustration to add visual clarity to understanding the pooling process.

Pooling has been shown to increase the efficiency of a queueing system by lowering the total time a customer spends in the system, and decreasing the waiting time for service and the total number of customers in the system at any one time. These system improvements are independent of the



Consolidating Individual Queues and Service Channels Figure 5

arrival process and the distribution of service. In circumstances where the number of channels is very large, both good service and high utilization of assets are achieved. [Ref. 14: pp. 259-260]

The improvement of decreasing the time customers spend waiting is obtained by using idle resources. Separate systems are less efficient because a customer can be waiting for service in one system while the other system is idle [Ref.

15: pp. 39-55]. In separate systems, the next arriving customer may be blocked and have to wait until the customer being served departs the system. In a combined system, the probability of a customer having to wait for service is lower because the probability that an idle service channel is available is higher. Consequently, even when a customer must wait for service, the average waiting times are usually much less when separate facilities serving separate streams of customers are combined to serve all the streams together. [Ref. 16: pp. 90-92]

A numerical example can simplify the understanding of the potential for customer service improvements when queues are combined. In this example we will assume a homogeneous queueing system with Poisson arrivals, an exponentially distributed service rate, limited source population and an infinite capacity queue. A Poisson distribution is used for the arrival rate as this distribution has been previously assumed to represent the expected arrival pattern for the AIMD's unscheduled workload¹²[Ref. 17: p. 43]. Although the AIMD repair cycle involves many steps, by looking at the total repair cycle as a single step (service time) we can consider it one process.

¹²In the referenced thesis, statistical analysis of data revealed engine arrivals at NAS North Island AIMD followed a Poisson distribution.

Appendix A contains the output from the STORM¹³ queueing analysis for the following example.

XYZ is a component of the aircraft communications system. There are 40 of these parts installed in NAS North Island aircraft, and 50 in NAS Miramar aircraft. Part XYZ has a Mean Time Between Failure (MTBF) of 100 hours, and a Mean Time To Repair (MTTR) of 10 hours. Thus, the expected arrival rate (λ) is 1 per 100 hour period, and the service rate (μ) per service channel is equal to 10 per 100 hour period. North Island AIMD has four test benches and technicians, and Miramar AIMD has five test benches and technicians. test bench and one technician together form one service channel, thus North Island has four service channels and Miramar has five.

Appendix A, page 1, shows the STORM data listing for this example. It shows North Island has four servers, Miramar has five, and if repair were consolidated, there would be nine servers. The source population is listed as finite (FIN). The arrival rate (ARR RATE) is 1 per period, service time distribution (SERV DIST) exponential, and the service rate is 10 per 100 hour period (.1 of a time period). The number of potential "customers" is 40 at North Island, 50 at Miramar, and 90 if the workload were consolidated. The blank portions of the problem data listing are not applicable to the example.

Page 2 of Appendix A shows the results of the STORM queueing analysis of the data listing. The first two outputs show the characteristics of the independent North Island and Miramar service queues. The turnaround time (TAT) for a Part XYZ is 16.6 hours at North Island, and 15.6 hours at Miramar. XYZs will spend an average of 6.6 hours in the queue awaiting maintenance at North Island, and 5.6 hours at Miramar. At North Island, the average number of components in the system

¹³STORM is an integrated software package consisting of quantitative modeling techniques drawn from operations research/management science, operations management/industrial engineering, and statistics. STORM Personal Version 2.0, Quantitative Modeling for Decision Support, is available from STORM SOFTWARE, INC., P.O. BOX 21196, Cleveland, OH 44121-0196.

(backlog) is 5.7, and Miramar's backlog averages 6.7 components for a total of 12.4 components backlogged in the two systems.

last STORM output shows the results of combining the queues. By consolidating the repair resources of the two AIMDs, utilization of repair channels increases while the total time in the system, time awaiting maintenance, and backlog all decrease. Repair channel utilization is 88.2% in the consolidated repair system, which approximately a 2% increase over the average utilization at North Island and Miramar. turnaround time decreases to 13.4 hours, which is an 18% improvement over the weighted average turnaround times of the independent systems. average number of parts in the consolidated repair system (backlog) is 10.7; a 15% improvement over the total of 12.4 for the independent systems.

c. Cannibalization Potential.

Consolidation of AIMD repair capabilities will affect the potential for component "cannibalization." Cannibalization is the act of removing a good part from one component to repair another. Many of the components AIMDs repair are referred to as Weapons Replaceable Assemblies (WRAs), and many WRAs are comprised of components called Shop Replaceable Assemblies (SRAs). When a WRA is inducted into the AIMD, technicians perform diagnostic testing to determine which SRAs are not functioning properly. If a malfunctioning SRA is in stock in the spare parts inventory, the WRA under repair will experience minimal awaiting parts (AWP) time. However, if SRAs are not in stock (NIS) they must be ordered, and delivery times can vary from days for parts stocked at a

local Navy Supply Center (NSC) to over a year for items that must be procured from the manufacturer. When SRAs are backordered with a long estimated date of delivery (EDD), technicians will commonly cannibalize a known good SRA from another malfunctioning WRA to produce a Ready For Issue (RFI) WRA.

The malfunctioning WRAs in the AIMD repair cycle provide the source for SRA cannibalization. When two AIMDs are independently repairing the same WRAs, the potential to cannibalize at each AIMD is limited to the WRAs that have been inducted into their individual activities: AIMD-1 cannot cannibalize from AIMD-2's WRAs, and vice versa. Consolidating the WRA repair at one site would combine the two individual inventories of malfunctioning WRAs, thereby increasing the inventory of SRA cannibalization candidates. The increase in cannibalization candidates would improve the possibility of providing the required SRAs to repair the WRAs.

A fully-functional WRA can be built by cannibalizing from several malfunctioning WRAs, provided that within the group of malfunctioning WRAs there is at least one "good" (properly functioning) SRA of each type used in the WRA. Thus, the number of RFI WRAs that can be produced from a group of malfunctioning WRAs is limited by the minimum number of good SRAs within each SRA type.

The following two examples, using a fictitious WRA called a Flight Computer XYZ, illustrate that consolidation

will not decrease cannibalization potential, and under most conditions, will increase cannibalization potential and produce more RFI WRAs than two AIMDs operating independently. The examples are not complete theoretical proofs of the effects of consolidation on cannibalization.

Flight Computer XYZ is comprised of three SRAs, SRA-1, SRA-2 and SRA-3. AIMD-1 currently has eight WRAs and AIMD-2 has nine WRAs awaiting parts (AWP). Each WRA is waiting for one of the three types of SRAs before it can be repaired to a fully functioning status and made RFI.

Example 1, Table 3, shows the number of good and bad SRAs for the WRAs at each AIMD. From the table, AIMD-1 is limited by SRA-2 to produce two RFI Flight Computers and AIMD-2 is limited by SRA-1 to produce three RFI Flight Computers through cannibalization for a total of five RFI computers. However, the Consolidated AIMD with the combined population of WRAs can produce ten RFI units through the cannibalization of good SRAs, which is a 100% increase in the total number of RFI Flight Computers produced by consolidating.

Table 3: INCREASED CANNIBALIZATION POTENTIAL

SRA	AIMD-1		AIMD-2		Consolidated AIMD	
	Bad	Good	Bad	Good	Bad	Good
SRA-1	1	7	6	3	7	10
SRA-2	6	2	1	8	7	10
SRA-3	3	5	2	7	5	12
TOTAL WRAs at EACH AIMD	8	N/A	9	N/A	17	N/A

Example 2. Table 4 shows the case consolidation fails to produce an improvement in RFI output through cannibalization. In this example the number of non-RFI WRAs is the same as the previous example, but the distribution of bad SRAs is changed. AIMD-1 is limited by SRA-2 to repair only three WRAs, and AIMD-2 is also limited by SRA-2 to produce only three RFI WRAs for a combined total of six RFI Flight Computers. Thus, the Consolidated AIMD is also limited by SRA-2 to produce the same total of six RFI Flight This case illustrates one situation where no Computers. improvement in cannibalization would be realized through consolidation. This case represents the exception to improved cannibalization potential through consolidation. possibility of this case occurring is unlikly considering the variability of SRA failures.

Table 4: NO IMPROVEMENT IN CANNIBALIZATION POTENTIAL

SRA	AIMD-1		AIMD-2		Consolidated AIMD	
	Bad	Good	Bad	Good	Bad	Good
SRA-1	2	6	1	8	3	14
SRA-2	5	3	6	3	11	6
SRA-3	1	7	2	7	3	14
Total WRAs at Each AIMD	8	N/A	9	N/A	17	N/A

Determining the actual affects and theoretical proof of consolidation on cannibalization would require indepth statistical analysis and computer simulation of the process and is not contained in this thesis.

6. Drawbacks.

The benefits of consolidation are achieved at some cost. Consolidation will require additional transportation resources and some facility upgrade costs may be incurred. Consolidation may have some negative affects on customer service, and there will be an additional administrative burden to manage the consolidated items. Consolidation will also reduce military resiliency. Each of these drawbacks is discussed in the following sections.

a. Transportation Costs.

Transportation is an essential element of consolidation and is necessary for transferring non-RFI and RFI materials between the air stations involved. A dedicated, regularly scheduled transportation network also facilitates

maintenance and supply management for the materials being repaired in the consolidated repair system. The additional transportation costs incurred due to consolidation will offset savings and must be considered in the consolidation decision.

as two primary considerations when analyzing transportation and handling factors for logistic support [Ref. 3: p. 63]. Transportation costs for consolidation are directly related to the degree of consolidation, the types of parts and equipment involved, and the desired level of customer service. The frequency of deliveries is a cost versus customer service decision. More frequent deliveries may mean higher transportation costs, but faster delivery times would reduce the total turnaround time for parts, thus improving customer service.

A vehicle and driver are necessary elements in transporting material from air station to air station. following costs relate to establishing а dedicated transportation channel between NAS North Island and NAS Miramar. A one-ton panel van, Public Works Vehicle Code 362, with an eight-foot by ten-foot cargo floor and a ceiling height of seven and one-half feet (a total of 600 cubic feet of usable cargo space) could be rented from the Public Works Center in San Diego for \$2.00 an hour with unlimited mileage. order to have the vehicle totally dedicated In transporting parts between the two air stations, the agreement

for renting the van must be based on a minimum of 160 operating hours per month. The rental fee is based on operating hours and includes maintenance and fuel costs. Using this rate, the minimum operating cost for this vehicle would be \$320.00 per month or \$3,840.00 per year. For comparison, a smaller half-ton van, Public Works Vehicle Code 329, rents for \$1.75 per hour, and a larger two and one-half ton stake truck, Public Works Vehicle Code 525, rents for \$2.60 per hour. The respective minimum operating costs for these vehicles would be \$3,360.00 and \$4,992.00 per year.[Ref. 18]

A dedicated driver would also be required to insure full use of the transportation network. The half-ton and one-ton vans are usually driven by civil service personnel classified as Wage Grade Five (WG-5) [Ref. 19]. Annual salary for a WG-5, including base pay plus 32% for fringe benefits, would be \$29,981.95,14 based on 40 hours a week for 52 weeks [Ref. 20]. Thus, minimum total cost for one year for a dedicated one-ton van and driver, is \$3,840.00 + \$29,981.95 = \$33,821.95. The two and one-half ton stake truck is normally driven by civil service personnel classified as Wage Grade Seven (WG-7) with a Motor Vehicle Class B License. The approximate annual salary for this individual, including base

¹⁴Wage Rate (\$10.92 per hr) X 1.32 = \$14.41. \$14.41 X 40 hours X 52 weeks = \$29,981.95 per year.

pay and fringe benefits, would be \$32,178.43¹⁵. Thus, total annual operating cost for the two and one-half ton stake truck would be \$4,992.00 + \$32,178.43 = \$37,170.43. An alternative to using the civilian driver would be to use military personnel. Using the military personnel costs from Table 2 on page 30, if a paygrade E-3 military member were substituted for the WG-5 civilian driver, annual costs for the driver would be reduced \$7,243.95, and total costs would be reduced to \$26,578 per year. Similar reductions in operator cost for the two and one-half ton stake truck would be seen by substituting a military personnel for the WG-7 civilian driver.

The cycle time for the material flow between the two air stations is dependent on the distance traveled and the time to on-and off-load the material. For simplicity, other variables as traffic, road and weather conditions, or loading dock conditions and availability were not included in the assumptions. The distance between NAS North Island and NAS Miramar is approximately 25 miles. Allowing for 45 minutes travel time each way and 30 minutes to on-load and off-load at each site there would be a cycle time of two and one-half hours per round trip. Assuming seven and one-half productive hours per shift, one truck and driver could accomplish three round trips between the two AIMDs per shift.

¹⁵Wage Rate (\$11.72 per hour) X 1.32 = \$15.47. \$15.47 X 40 hours X 52 weeks = \$32,178.43 per year.

The volume of items transported between the two air stations will determine the number and size of vehicles, and the number of drivers required to establish the transportation network. The total volume of material can be estimated from the number, weight, and cubic feet of parts flowing between the air stations. This information for common items is contained in Appendix C and Appendix D. The daily average weight and cubes of material transported is a point estimate for the actual material transported. The estimate is a sample mean (average) and should be regarded as such. Actual volume of material will vary during any given interval, that is, on some days there will be less material transported than the mean and on other days there will be more material transported than the mean. The actual statistical confidence interval on the daily amount of material transported was not computed.

The average volume of material transported for partial consolidation of the AIMDs was determined by using Appendices C and D¹⁶. The common items were assigned to the individual AIMD for repair on the basis of the RFI rate and quantity of items processed. The AIMD with the better RFI rate for the component and with the largest number repaired was assigned the repair responsibilities. However, if the RFI

¹⁶Number of items processed was attained from the Naval Aviation Logistics Data Analysis database covering the period July 1990 to June 1991. Weight and cube data was attained from the Aviation Supply Office, MIL-STD-726 Packaging Database. From this data, a point estimate was derived for the average daily weight and cube transported.

rate was approximately the same at both AIMDs, the AIMD that processed the greater number was assigned the component In the case of a tie the components were assigned subjectively. Once the repair site was assigned, the average volume transported was calculated. For each component, the number of items processed per year at the AIMD that would no longer do repair was divided by 250 days17 to arrive at the average number of components processed per day. This average was multiplied by the weight and cube of the component resulting in the average weight and cube for each component to be transported to the other AIMD per day. The individual components were then totalled to obtain the average total weight and cubes transported daily. From Appendix C, the total weight and cube transported one-way per day was 691.28 lbs and 81.93 ft3. To obtain an average total daily figure, assuming a similar amount of material is returned after repair, multiply the one-way total by two, for a daily average of 1382.56 lbs and 163.86 ft³.

From these computations, the estimated volume of items transported from NAS North Island to NAS Miramar for repair is 527.34 lbs and 58.27 ft³, and the estimated volume of items transported from NAS Miramar to NAS North Island for repair is 163.89 lbs and 23.66 ft³. In this case the one ton

 $^{^{17}52}$ weeks per year X 5 work days per week - 10 Federal holidays = 250 work days per year.

van would appear to provide adequate transportation capacity for the material.

The average total volume of material transported between the AIMDs assuming total consolidation of entire work centers was computed in a similar manner. As discussed in Chapter VI, there are nine work centers considered to be the primary candidates for consolidation. Potential consolidation was assumed if the quantity of the items processed for which both AIMDs had repair capability (referred to as "common" items) was 50% or greater of the total number of items processed by the work center at either AIMD. work centers are 61A, 61B, 62B, 62D, 62F, 670, 81A, 81B, and 81C (See Table 10 on page 88). Assuming the work centers with the lowest production rates were consolidated at the other AIMD, and assuming the repair of consolidated items is handled on a repair-and-return basis, the workload originating from NAS North Island for Work Centers 61A, 62B, 62D, 62F, 81A, 81B, and 81C would have to be transported to and from NAS Miramar, and the workload originating from NAS Miramar for Work Centers 61B and 670 would have to be transported to and from NAS North Island.

The average component weight and cube transported per day was calculated for each work center from the weights and cubes of the common items listed in Appendix C. Summing the individual components average weight and cube transported daily and dividing the sum by the total number of common items

processed for which weight and cube data was available resulted in an estimated average component's weight and cube transported daily. To calculate the total weight and cube transported daily per work center, the average component weight and cube was multiplied times the total number (from the historical data) of items processed by the work center and multiplied times two to account for the return of repaired components. Table 5 summarizes the results of these computations by listing the candidate work centers, number of items processed by the work center per year, the average component's daily weight and cube transported and the total daily weight and cubes transported between the air stations.

Table 5: WEIGHT AND CUBE OF CONSOLIDATED ITEMS

WORK CENTER	NUMBER OF ITEMS PROCESSED ANNUALLY	AVG DAILY WT/CUBE PER ITEM TRANSPORTED	AVG TOTAL DAILY WT/CUBE TRANSPORTED (lbs/ft³)
61 A	1575	.0485/.0048	152.7/15.06
61B	1120	.1533/.0142	343.32/31.8
62B	1303	.0307/.004	79.92/10.3
62D	345	.0144/.0009	9.94/.64
62F	764	1.0202/.1788	1559/273.24
670	3936	.0215/.0064	169.4/50.32
81A	129	.0161/.0007	4.14/.19
81B	607	.0536/.0082	65.06/9.98
81C	857	.0325/.005	55.64/8.58
TOTAL			2439.12/400.11

As Table 5 shows, the estimated daily average total weight and cube of items transported between the two air stations is 2439.12 lbs and 400.11 ft³. Although a half-ton van making three trips per day would be sufficient to handle this average daily workload, a one-ton van would only cost \$10.00 more per month and would provide reserve capacity for instances of unusually high volume or weight.

b. Facilities Modification Costs.

As with transportation costs, facilities costs will be directly related to the degree and type of consolidation and must be considered in the consolidation decision. Consolidation may require the modification of present

facilities in order accommodate the changes in workload. For example, if the consolidation requires installation of additional test equipment and the present workspace is too small to allow expansion, an addition to the building or modification of its interior might be required. Another potential problem is that increases or changes in power requirements might call for the modification of utility services.

c. Customer Service Impact.

previously, the objective stated of consolidation is cost reduction without degradation of customer service or operational readiness. The ultimate customers of the AIMD are aircraft squadrons, which receive benefit either directly through AIMD services such as onaircraft Non-Destructive Inspection (NDI), or indirectly through receipt of the parts the AIMD repairs for the Supply Department's replacement parts inventory (the rotable pool). Consolidation will affect service to squadrons in two fundamental ways: 1) turnaround time; and 2) accessibility. It is essential to consider the impact consolidation will have on these two customer support factors before decisions are made regarding which capabilities to consolidate.

(1) Turnaround Time. Even if consolidation results in reduction of time spent in the repair cycle (as discussed in Section 5), the additional time it takes to transport items

between the AIMDs may increase the total time it takes to return an item to inventory. If so, the additional turnaround time (TAT) could create a requirement for additional spares in the rotable pool inventory in order to prevent a significent increase in the probability of a stock out.

As stated in Chapter III, air station Supply Departments get an allowance of repairable items for use as spares inventory. Squadrons receive replacements for non-RFI items from this spares inventory, which is commonly called the rotable "pool." The Aviation Supply Office (ASO) determines the pool allowance for each item in the pool, and a portion of the allowance comes from a determination of the Local Repair Cycle Requirement (LRCR). ASO Instruction 4441.16H directs the "Raw" LRCR Quantity be computed by the following formula: (Number of Repairs per Period x Avq Daily Turnaround Time)

÷

Number of Days in Period

The Raw LRCR score is applied to the LRCR Quantity Table in ASO Instruction 4441.16H to determine the Local Repair Cycle Requirement Quantity allowance for the pool. The purpose of this table is to produce a rotable pool allowance that includes both mean demand during the repair turnaround time and safety stock (which protects somewhat against the variability of demand and turnaround time).

Assuming an item had 30 repairs over a 60 day period (the minimum period allowed for computation of the Raw LRCR) and the average TAT was 1 day, the Raw LRCR would be:

$$(30 \times 1) \div 60 = .500$$

(which is the average number of repairs per turnaround time.)
A Raw LRCR of .500 computes to a LRCR Quantity of 2, which is
the amount of safety stock ASO would add to the fixed
allowance inventory in order to provide inventory protection
while items are undergoing repair. If the repair of that item
were consolidated and transportation time between the AIMDs
added an average of one day to the average TAT, the RAW LRCR
would change to:

$$(30 \times 2) \div 60 = 1.000$$

and the LRCR Quantity would increase to 3. The actual affect of increase turnaround time on LRCR Quantity would, of course, vary from item to item. Looking at the formula, it is easy to see that for items with an even lower repair volume than the example given above, one additional day in TAT would make little change in the LRCR Quantity.

The Deputy Aviation Support Division Officer for the NAS Miramar Supply Department, Mr. Henry Maines, had perhaps the most astute observation regarding the affect of a one-day increase in turnaround time. Mr. Maines stated that one additional day of turnaround time may not adversely affect items currently stocked at adequate levels, however, for fast-turnover items for which Pool allowance is presently

inadequate, an additional day of turnaround time would undoubtedly affect customer service. [Ref. 21]

(2) Accessibility. One of the primary determinants of the quality of AIMD customer service is the accessibility between the AIMD and the squadrons. Squadrons must be able to access direct support functions in a timely manner in order to ensure that the organizational maintenance effort is not unduly delayed. Consolidation will negatively affect accessibility to the AIMD. Accordingly, direct support services where immediate accessibility is vital to daily squadron operations, such as the Support Equipment Pool, should not be considered for consolidation. Any delay to these "immediate need" services would adversely affect operational readiness.

AIMDs also supply on-site I-level technical expertise to assist squadrons in resolving troubleshooting or repair problems. Presently, it is very easy for squadron personnel to access the AIMD and AIMD personnel. For most activities, the AIMD is within walking distance from squadron work spaces. If a support problem arises, maintenance personnel can be on-site in a matter of minutes to resolve it. Under consolidation, the physical distance between O-level

¹⁸There are a number of reasons for inadequate Pool quantity, including: insufficient spares procurement; new program start-up; unanticipated demand; unexpectedly high failure rate; and inadequate funding.

activities at the non-repairing air station and the AIMD with consolidated repair capability will make it more difficult to resolve these types of maintenance problems.

Consolidation will also affect the customer/supplier interface between the AIMDs and the At present, Functional Wings exercise Functional Wings. control over I-level support for their squadrons because the AIMD falls under their chain of command. Depending on the form of consolidation, Functional Wings could lose some or all of this control, making it more difficult for them to direct I-level resources toward specific Functional Wing priorities.

d. Expanded Maintenance Management and Administrative Responsibilities.

Consolidation will require maintenance managers to deal with a new category of repairable items: those for which I-level repair capability has been consolidated. maintenance managers factor the availability of on-site Isupport into the scheduling of their workload. Consolidation will require O-level managers to consider the additional turnaround time and reduced accessibility of consolidated services and repairs. Intermediate level maintenance managers will now have to manage workload originating from two air stations instead of one. This means dealing with maintenance managers from two aircraft communities instead of one.

There will also be added maintenance management complexity at the Functional Wing and Type Commander levels. As stated previously, Functional Wings will lose some direct control over the items for which repair is consolidated at an AIMD under the control of a different Functional Wing. With few exceptions, Type Commanders view I-level aircraft support in an aircraft/air station relationship because I-level support is provided at the air station at which the aircraft are based. Consolidation will alter this relationship and complicate Type Commander management of I-level support.

Consolidation will require additional administrative work. Supply and maintenance records will have to be changed to reflect changes in the location at which repair occurs. The transfer of non-RFI and RFI assets between air stations will have to be documented, which will be an ongoing additional administrative burden.

e. Military Resiliency.

Resiliency is the ability to recover from change or misfortune. Military resiliency is often thought of in terms of combat operations, i.e., the ability of an infantry company to reconstitute after sustaining combat losses. Consolidation will leave geographical areas more susceptible to total loss of its consolidated repair capability. For example, with both North Island AIMD and Miramar AIMD having instrument repair capability, there is an alternate site to continue instrument

repair if one site should have to shut down as a result of fire or earthquake. However, if instrument repair were consolidated at one or the other of these sites and there was a disaster such as fire or earthquake that destroyed the consolidated repair site, I-level instrument repair would cease in the San Diego area.

V. OPTIONS FOR PARTIAL CONSOLIDATION

The authors feel there are three primary questions to be answered when considering the options for consolidating the duplicate capabilities of AIMDs located in the same geographical area:

- 1) What capabilities are candidates for consolidation?
- 2) At which AIMD should capabilities be consolidated?
- 3) How should consolidated capabilities be managed?

A. CANDIDATES FOR CONSOLIDATION

1. Organizational Perspective.

One way to assess which AIMD capabilities are candidates for consolidation is to view consolidation alternatives with regard to the <u>organizational level</u> at which consolidation takes place. Since this thesis is analyzing the possibilities for partial consolidation and not total consolidation of AIMDs, the largest organizational units considered as candidates for consolidation are the Production Divisions, followed by Division Branches, followed by the smallest organizational level: the work centers. Although work centers are the smallest recognized AIMD organizational unit, within work centers there often are distinct task areas, which are usually distinguished by the type of equipment

worked on and/or skills of the technicians involved in the repair. These "Task Areas" are also candidates for consolidation.

2. Service Perspective.

Another way to view candidates for consolidation is to take a service perspective: What AIMD <u>services</u> are candidates for consolidation? As with the organizational perspective, the service perspective can be viewed in terms of the degree of consolidation: An entire service or just a portion of a service could be consolidated. For example, Avionics Repair is a service the AIMD provides. Avionics Repair can be divided into more specific areas of repair, such as Communications Equipment, which can be categorized by types of components like Receiver/Transmitters (R/Ts), and R/Ts can in turn be broken down into specific components, such as the ARC-159 Transceiver.

3. Consolidation Candidates.

Since the primary objective of consolidation is to reduce costs, candidates for consolidation should have the potential for reduction in one or more of the areas of savings described in Chapter IV: manpower; support equipment; and inventory. Accordingly, consolidation candidates should have some similarities because there can be little or no cost savings in areas where the types of manpower required, types of support equipment used, and/or the types of items worked on

are so dissimilar that there is no opportunity for reduction of these assets through consolidation.

The "ideal" repair capabilities for consolidation are those with exactly the same types of manpower and support equipment assets being used to repair exactly the same components. However, repair capabilities with lesser degrees of commonality should also be considered for consolidation. Areas where the skills and support equipment used are fairly standardized regardless of the type of components repaired may be good candidates for consolidation regardless of differences in the types of components serviced because they offer opportunities for reduction of manpower and support equipment.

Areas in which one AIMD has a substantially larger workload than the other AIMD provide good opportunities for savings through consolidation. The workload at one AIMD may be small enough to be absorbed by the other AIMD with little or no increase in manpower or support equipment.

B. LOCATION OF CONSOLIDATION

There are two options for locating the consolidated repair capabilities: 1) Single-site all consolidated capabilities at one AIMD; and 2) Distribute consolidated capabilities among the AIMDs involved in the consolidation (Multiple-siting).

1. Single-siting.

Single-siting all the consolidated repair capabilities would greatly simplify the management of consolidated items.

The Type Commander and Functional Wing maintenance and supply managers would only have to be concerned with overseeing one AIMD with consolidated repair vice †wo. Single-siting would only change the I-level support procedures for the aircraft at one air station rather than two. Single-siting consolidated repair capabilities would enhance the Prime Intermediate Maintenance Activity (PIMA) program currently being prepared for fleet-wide implementation¹⁹. Single-siting could also prove beneficial if the decision were later made to totally consolidate AIMDs.

Single-siting has some drawbacks. Single-siting would increase the erosion of military resiliency for I-level repair capabilities. If the AIMD at which all consolidated capabilities were sited was struck by fire or earthquake, I-level repair for all the consolidated items could be affected. Additionally, depending on the degree of consolidation, the additional administrative burdens regarding personnel and maintenance management could require additional staff for the AIMD with consolidated repair. (However, there could be some offset in personnel reductions at the AIMD relinquishing repair capability.)

¹⁹The Prime Intermediate Maintenance Activity (PIMA) program is currently being developed by the Naval Aviation Maintenance Office. Under PIMA, no AIMD capabilities are consolidated, but certain AIMDs would have ultimate repair capability and condemnation authority for designated items. If an AIMD BCM'd one of the designated components, the component would be sent to the PIMA instead of a depot.

Multiple-siting.

If multiple-siting is desired, the decision of which AIMD would get a specific repair capability appears to be an easy decision on the surface. The AIMD with the largest organic workload (work generating from the aircraft squadrons based at the AIMD's air station) for the capability would seem to be the logical choice as the AIMD at which to establish consolidated repair. This AIMD would be expected to already have the more extensive repair capabilities (facilities, equipment, manpower, inventory), thus consolidating repair capabilities at this AIMD would entail less expense for moving equipment, transferring personnel, etc., as well as minimize the number of non-RFI items transported between the air stations. However, because we are interested in maximizing the benefits of consolidation, there are many questions to be answered before such a decision could be made, including:

- 1) Are there facility constraints that cannot be easily overcome at one AIMD that make the other AIMD the more feasible choice?
- 2) Are there changes to facilities planned for the future that will affect the decision?
- 3) What are the future plans for workload at the AIMDs? Is the item to be consolidated going to be phased out at one or both sites in the near future?
- 4) If there is more than one repair capability to be consolidated, how does each location decision affect the

others? Some combinations of workload may be mutually exclusive at a particular AIMD. For example, if three different repair capabilities are to be consolidated between two AIMDs, AIMD-1 may be able to accept the consolidated workloads of Repair Capability "A" and Repair Capability "B" together, but not Repair Capability "A" with Repair Capability "C", etc. It is easy to see that with even just a few repair capabilities to be consolidated there can be a large number of different possible combinations of workload assignment.

C. MANAGEMENT OF CONSOLIDATED ITEMS

The authors feel there are two basic options for managing the items for which repair capabilities have been consolidated: 1) Manage the consolidated items on a repairand-return (R&R) basis; and 2) return the repaired items to the wholesale supply system.

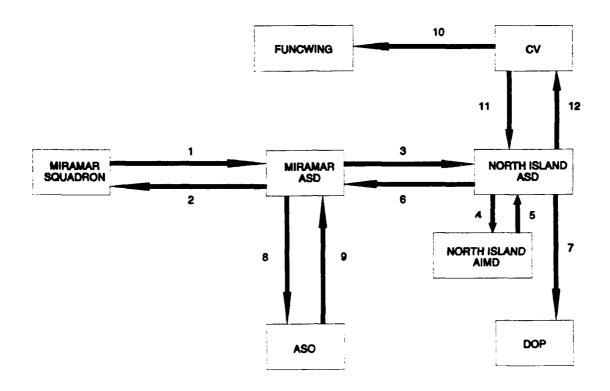
1. Repair and Return.

Under a repair-and-return (R&R) arrangement, the non-RFI items originating from the aircraft at the air station no longer having repair capability (which will be referred to as the "Source Site") would be transported directly to the AIMD at which repair capability has been consolidated (which will be referred to as the Consolidated Intermediate Maintenance Site), where they would be repaired and returned to the Source Site.

Because only certain capabilities will be consolidated between the AIMDs, consolidation would only affect the processing of items for which repair capability is consolidated, and only at the site no longer having capability. Using NAS North Island and NAS Miramar as examples, if Miramar AIMD transfers capability to repair navigation computers to North Island AIMD, the intermediate support process for navigation computers has been altered only for aircraft based at NAS Miramar. Navigation computers installed in aircraft based at NAS North Island will still follow the existing AIMD repair cycle process described in Chapter II.

The following paragraphs describe the repair-and-return process for a failed part for which North Island AIMD is designated as the Consolidated Intermediate Maintenance Site (CIMS). Figure 6 illustrates the possible R&R process, and contrasts the AIMD repair cycle procedures depicted in Figure 4 on page 23.

- (1) Miramar squadron turns in a non-RFI part for which North Island AIMD is designated the Consolidated Intermediate Maintenance Site (CIMS), and orders a replacement part.
- (2) Miramar ASD provides replacement part from its pool inventory or by EXREP action.
- (3) Miramar ASD assigns the appropriate repair priority and forwards the non-RFI part to North Island ASD.



Repair and Return Procedures

Figure 6

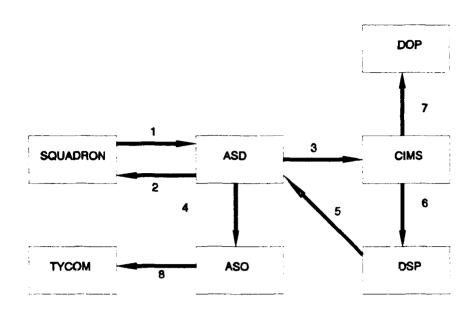
- (4) North Island ASD inducts the defective part into the North Island AIMD repair cycle with the priority assigned by Miramar ASD.
- (5) North Island AIMD either repairs the part or declares it BCM and returns it to North Island ASD.
- (6) The repaired part is forwarded to Miramar ASD for placement in inventory or, if EXREP, delivery to squadron.
- (7) If declared BCM, North Island ASD will ship the part to the Designated Overhaul Point (DOP) per Miramar ASD instructions.

- (8) Miramar ASD orders replacements for BCM'd parts.
- (9) For BCM'd parts, ASO charges AVDLR cost to Miramar ASD/AIMD AVDLR account.
- (10) CV requests repair and return disposition instructions from COMFIT/AEWWINGPAC (the Functional Wing for Miramar aircraft) for defective components removed from Miramar-based aircraft.
- (11) CV ships parts for which North Island is the designated CIMS directly to North Island.
- (12) North Island returns repaired parts to CV, or forwards BCM'd parts to DOP per CV instructions. ASO charges the CV AVDLR fund for replacements.

2. Return Repaired Items to the Wholesale Supply System.

Items for which repair has been consolidated could be treated as assets for the "wholesale" supply system. That is, once an item is repaired, it is returned to a Designated Stock Point (DSP) for distribution to any activity with an outstanding requisition, which is the same procedure proposed for handling items repaired under the PIMA concept. Figure 7 and the following discussion explain this procedure.

- 1) Squadron turns non-RFI item into ASD and orders replacement part.
- 2) ASD supplies squadron with a replacement from the rotable pool, if available.



Returning Assets to the Wholesale Supply System
Figure 7

- 3) Since the Source Site AIMD has no repair capability, the part is automatically declared BCM and shipped to the CIMS via normal supply channels.
- 4) ASD requisitions replacement for rotable pool from ASO.
- 5) ASO provides Pool replenishment from Designated Stock Point (DSP) inventory and charges the Source Site's ASD/AIMD AVDLR account.
 - 6) CIMS repairs item and ships to DSP.
- 7) If CIMS was unable to repair item, declares it BCM and ships it to the Designated Overhaul Point.
- 8) ASO compensates Type Commander AVDLR funds for items repaired by CIMS.

3. Pros and Cons.

Managing items on a repair-and-return basis would cause the least disruption to the Navy supply system as a The consolidated items would be transferred between air stations with locally-run transportation assets, and the items would have to be handled only by personnel at the air stations involved. However, R&R items require time-consuming additional management by both supply and maintenance managers. Supply managers at the air stations involved in the consolidation would have to maintain detailed records and maintain formal correspondence regarding the transfer and receipt of R&R items. Special accounting would be required to charge the Source Supply Department for repair parts used. CIMS maintenance managers would have to ensure that R&R items are integrated into the CIMS' organic workload on an impartial basis. Additionally, CIMS managers would have to ensure R&R items are not unfairly used as cannibalization carcasses to repair organic workload.

Managing consolidated items as wholesale assets would greatly reduce the managerial and administrative burdens at the non-repairing air station. The non-RFI assets would simply be BCM'd, and a replacement requisitioned in accordance with established procedures. There would be no requirement to maintain other than normal transfer and receipt records, and no need to correspond with the Supply Department at the air station at which the CIMS is established. Additionally, since

managing consolidated items as wholesale assets would correspond with the management procedures of the PIMA concept, consolidated items would not require a separate set of changes to supply procedures. However, if there was a significant number of items consolidated, the additional throughput at supply handling points could require additional personnel to handle and track the parts flowing through the system. Additionally, the transportation and handling of items through the various supply points would increase the repair turnaround time of consolidated items.

VI. COMMONALITY OF THE NAS NORTH ISLAND AND NAS MIRAMAR AIRCRAFT INTERMEDIATE MAINTENANCE DEPARTMENTS

Three data sources were used to research the commonality of capabilities of the NAS North Island and NAS Miramar AIMDs:

1) The OPNAV 1002 Manpower Authorization (MPA); 2) The Tailored Outfitting Listing (TOL); and 3) Production data from the Naval Aviation Logistics Data (NALDA) database.

A. OPNAV 1002 MANPOWER AUTHORIZATION

The OPNAV 1002 Manpower Authorization (MPA) lists all enlisted military billets authorized for an AIMD. The MPA is an excellent source of information about repair capability commonality because it lists personnel billets by work center assignment, position title, rate, and Navy Enlisted Classification (NEC). The NEC codes are used to identify non-rating wide skills, knowledge, aptitudes or qualifications that must be documented to identify both people and billets for management purposes [Ref. 22]. Award of an NEC is dependent on completion of prescribed training and/or experience requirements, with most NECs requiring completion of a formal course of instruction. The majority of intermediate level maintenance billets are coded for a

specific NEC, therefore NECs provide an excellent means of comparing the repair capabilities of different AIMDs.

Comparing the Manpower Authorizations of the North Island and Miramar AIMDs revealed areas of commonality organization, personnel structure and training, and in types of equipment repaired. As expected, the North Island and Miramar MPAs revealed that both AIMDs are manned for the same production divisions. Each AIMD is manned for Production Control, Quality Assurance, Airframes, Power Plants, Avionics, Armament Equipment, Survival Equipment, and Support Equipment Divisions.

The two MPAs also showed great similarity in NECs. Appendix B lists all the production rate (AD, AE, AME, AMH, AMS, AO, AT, and PR) NECs of the two AIMDs. To summarize Appendix B, there are 90 different NECs listed in the two MPAs. Miramar has 68 different NECs, North Island has 65 different NECs, and there is a total of 42 NECs common to both AIMDs. Thus, there is an overall 47% NEC commonality of all NECs listed (42 out of 90); a 65% NEC commonality of Miramar with North Island (42 out of 65); and a 62% NEC commonality of North Island with Miramar (42 out of 68). Table 6 lists total numbers of NECs by rating, the number of NECs common in each rating, and percentage of commonality.

The Ligh NEC commonality in the areas of Safety Equipment,
Ordnance Equipment, Support Equipment, and Survival Equipment
reflect the high commonality of these types of equipment

Table 6: NAVY ENLISTED CLASSIFICATION (NEC) COMMONALITY

	RATE / FUNCTIONAL AREA	TOTAL NECs	NUMBER COMMON	PERCENT COMMONALITY
AD	POWER PLANTS	11	3	27%
ΑE	ELECTRICAL	11	6	55%
AME	SAFETY EQUIPMENT	_ 1	1	100%
АМН	HYDRAULICS	2	2	100%
AMS	STRUCTURES	5	4	80%
ΑO	ORDNANCE EQUIPMENT	2	2	100%
AS	SUPPORT EQUIPMENT	8	6	75%
AΤ	AVIONICS	49	17	35%
PR	SURVIVAL EQUIPMENT	1	1	100%

throughout all aircraft communities. The high NEC commonality in the functional areas of Hydraulics, and Structures reflect the commonality in the types of skills required and maintenance equipment used in these areas, regardless of the type of aircraft supported. The lower levels of NEC commonality in the functional areas of Power Plants, Electrical, and Avionics reflects the diversity in the types of equipment installed in different aircraft types.

B. AUTOMATIC TEST EQUIPMENT

Automatic Test Equipment (ATE) are computer-based test benches used to diagnose the cause of failures and assist the technician in the repair of many avionics components commonly referred to as Weapons Replaceable Assemblies (WRAs) and Shop Replaceable Assemblies (SRAs). The administrative document that controls ATE is the Tailored Outfitting List (TOL).

Although, the aircraft supported by NAS North Island AIMD and NAS Miramar AIMD differ, a comparison of their respective TOLs showed commonality in automatic test equipment. There are ten different major ATE systems in use at the NAS North Island and NAS Miramar AIMDs, and six are common to both, representing 60% commonality of major ATE between the two AIMDs. Table 7 lists the ATE at both AIMDs and the quantity of each.

Table 7: NUMBER OF AUTOMATIC TEST EQUIPMENT

NAME (DESIGNATION)	NORTH ISLAND	MIRAMAR
VAST (AN/USM-247)	6	8
CAT IIID (AN/USM-429(V))	3	7
IMUTS II (AN/USM-608(V))	2	4
EOSTS (AN/AAM-60(V-1))	1	0
EOSTS (AN/AAM-60(V-6))	1	0
NEWTS (AN/USM-458)	0	2
RADCOM (AN/USM-467)	1	4
ATS (AN/USM-470 (V-2))	1	3
HTS (AN/USM-484)	1	2
HATS (AN/USM-403)	3	0

Table 8 summarizes all the Automatic Test Equipment examined by listing the test bench nomenclature and acronym, test bench designation, types of aircraft or systems supported by each test bench, and expected time in service for the bench [Ref. 23].

The TOL also provides an allowance list for the equipment required with the ATE to conduct diagnostic testing of avionics components [Ref 4: p. 8-105]. Most of the ATE used in the Navy have multiple systems applications. applications can be changed to fit a particular aircraft or system through the use of interchangeable Test Program Sets Test Program Sets consist of an interconnecting (TPS). device, which is hardware such as cables, harnesses, special fittings, mounting brackets, or other fixtures that are used to connect the ATE to the failed component being tested. Also included in the Test Program Set are Test Program Disks containing the computer program executed by the ATE performing diagnostic testing, and a set of Test Program Instructions, which are a set of manual instructions listing technical information for the maintenance technician. weapons system or family of weapons systems will have a specific Test Program Set for testing that is done using the applicable type of ATE. For example, with the correct Test Program Sets the Hybrid Test System (HTS, AN/USM-484) can be configured to test a wide variety of components from both F-14 and SH-60B aircraft systems.

Table 8: AUTOMATIC TEST EQUIPMENT SUMMARY

		BUPPORTS	RTS	BCHEDULED
NAME	Designation	AIRCRAFT	WRA/SRA/SYS	replacement (Year)
Versatile Avionics Shop Test (VAST)	AN/USM-247	F-14/S-3A	Decoder WRAs	CASS Off-Load
Computer Automatic Tester (CAT IIID)	AN/USM-429(V)	F-14/A-6/E-2C EA-6B/S-3	SRAS	2015+
Inertial Measuring Unit Test System (IMUTS)	AN/USM-608(V)	Multi- Platform	Inertial Navigation	2000+
Electronics Optical Systems Test Set (EOSTS)	AN/AAM-60(V-6)	A-6/S-3A/B	FLIR System	CASS Off-Load
New Electronics Warfare Test Set (NEWTS)	AN/USM-458	Multi- Platform	Electronics Warfare Sys	2015+
Radio/Communications Test Set (RADCOM)	AN/USM-467	F-14/A-6/EA-6 E-2C/SH-60B	Radio & RADAR Sys	None Scheduled
Tailored Mini-VAST (TMV)	AN/USM-470(V2)	F-14/SH-60B	General Avionics Sys	CASS Off-Load
Hybrid Test System (HTS)	AN/USM-484	Multi- Platform	SRAs	None Scheduled
Hybrid Automatic Test Set (HATS)	AN/USM-403	S-3A	SRAS	Partial CASS Off-Load 2000

Analysis of the 2,317 different line items of TPS equipment listed in the individual AIMD's Tailored Outfitting Lists showed 919 items to be common to both AIMDs for a 40% overall commonality. Table 9 summarizes the TPS equipment data by listing the test bench system designation, number of similar TPS equipment and number of peculiar TPS equipment for each type of ATE common to both AIMDs.

Table 9: TEST PROGRAM SET EQUIPMENT COMMONALITY

	PECULIAR	TPS EQUIP	COMMON	TOTAL	PERCENT
NAME (DESIGNATION)	NORTH ISLAND	MIRAMAR	TPS EQUIPMENT	LINE ITEMS	COMMON
VAST (AN/USM-247)	444	203	639	1286	50%
CAT IIID (AN/USM- 429(V))	32	233	121	386	31%
IMUTS II (AN/USM-608(V))	0	0	6	6	100%
RADCOM (AN/USM-608(V))	49	95	60	204	29%
ATS (AN/USM-470(V2))*	81	20	53	154	34%
HTS (AN/USM-484)	225	16	40	281	14%
TOTALS	831	567	919	2317	40%

^{*} Does not include Building Blocks

²⁰The NAS Miramar and NAS North Island TOLs, both prepared by the Naval Engineering Center (NAEC), were compared by part number to obtain the figures. The part numbers common to both AIMDs were divided by the total number of different part numbers for both AIMDs to determine a percentage of commonality. This procedure was performed for both individual ATE benches and total part numbers.

The Navy continues to push for broader standardization and versatility in its ATE. The potential for consolidating intermediate level repair capabilities will increase with the introduction of the new multi-application automatic test equipment "CASS". The Consolidated Automated Support System (CASS) program is aimed at creating one basic ATE to take the place of many of the current ATE systems. CASS is designed to use modular components to provide the computer-aided, multi-functional ATE needed to support all Navy electronic testing requirements, ashore and afloat, well into the twentyfirst century. Initial fleet deliveries of CASS are scheduled for mid-1994, and the CASS implementation plan covering the period Fiscal Year 1990 through Fiscal Year 1999 requires all new aviation electronic systems to be supported by CASS [Ref. 24]. The schedule for replacement of existing ATE with CASS is based on workload and cost to implement. Those systems in which the workload is small and the cost for developing CASS hardware and software is high will continue to be tested on present systems. Those systems with high failure rates and relatively low CASS transition cost will be off-loaded to CASS. Presently, the systems tested by the AAM-60, ASM-614, HATS, TMV, and VAST test benches are scheduled to be offloaded to CASS by 1996.[Ref. 25]

C. NALDA DATA

Naval Aviation Logistics Data Analysis (NALDA) collects and stores production data from all Navy aviation maintenance activities. A search of the NALDA database for the time period of July 1990 to June 1991 produced a listing of 10,965 different types of items with either AIMD North Island or AIMD Miramar as the reporting activity. 521 of the items listed in the database had been reported by both AIMDs as having at least one item processed during the reporting period, which is approximately 9% of the 5,724 total types of items reported by North Island AIMD and approximately 10% of the 5241 items reported by Miramar AIMD. Appendix D lists the common items by processing work center, 21 and shows the number of items processed, number made RFI, number BCM'd, and RFI percentage.

There were twenty-three work centers with common workload. Table 10 lists the twenty-three work centers, the number of common items in each, the total number of items processed, the total number of common items processed, and the ratio of the number of common items processed to total items processed²².

²¹For items for which the database listed different processing work centers for each of the AIMDs, the work center with the largest number processed is listed. All items listed for processing by Work Centers 64A, 64B, 64C, or 64D have been listed under 640. All items listed for processing by any work center in the Precision Measuring Equipment/Field Calibration Branch (Avionics Division Branch 670) have been listed under 670.

²²Miramar does not have a Work Center 940. All common items listed for North Island Work Center 940 were listed as 05A (automatic BCM) by Miramar.

NUMBER AND PERCENTAGE OF COMMON ITEMS PROCESSED Table 10:

¥ S	MOM CONTRA	AD REMEMBERS OF	TOTAL UN	TOTAL UNITS OF ALL	TOTAL UNIT	TOTAL UNITS OF COPPOR	RATIO OF C	RATIO OF COMON ITEMS
CENTER	SPECIALIZATION	COPCE ITES	HORIS	MIRASAR	BORIS	HITAMAR	MORIS	MIRAMAR
411	JET ENGINE COMPONENTS	•	733	696	13	32	21	3%
51.A	AIRFRAMES STRUCTURES	9	1043	1753	18	14	21	2.1
512	TIRE AND WHEEL BUILD-UP	•	1579	4716	273	830	171	161
52A	HYDRAULICS	•	670	1880	5	17	11	11
52B	BRAKES	2	435	356	10	7	21	1.8
61A	COMMINICATION EQUIPMENT	76	1575	3090	1130	2150	72%	70%
618	NAVIGATION	49	1142	1120	395	817	358	73X
62A	ELECTRICAL SYSTEMS	20	2827	1602	202	253	7.7	161
628	Instruments	37	1303	2015	451	1070	35 8	53%
62D	BATTERIES	1	345	520	245	519	712	1001
62E	CSD\GENERATORS	,	256	698	39	3.6	151	111
62F	INERTIAL NAVIGATION	10	764	1234	247	1234	321	100%
640	ELECTRONIC COUNTER MEASURES	8	871	788	18	98	21.	121
65Н	THY MAINTENANCE	1	17	11	1	5	6%	45%
65P	VAST	7	3779	6079	59	36	2%	11
650	VAST STATION MAINTENANCE	26	218	301	156	179	72X	591
658	VAST STATION CALIBRATION	18	155	232	155	232	1001	100%
670	PRECISION MEASURING EQUIPMENT	202	4512	3836	1743	2080	39X	53%
69A	ELECTRONIC MODULE TEST	3	3657	7798	80	16	0.0	0.0
81A	PARACHUTE RIGGING	2	129	676	38	23	291	3%
818	SURVIVAL EQUIPMENT	6	607	808	407	607	871	75%
910	OKYGEN EQUIPMENT	10	857	724	629	485	77.	67%
840	SUPPORT EQUIPMENT COMPONENTS	8	262	R\A	23	23	91	N/A
TOTAL		513	23898	40797	6295	10829	261	27.2

As Table 10 shows, North Island processed 6295 units of common items, which is 15% of the 41,640 total units processed by North Island during the period covered by the NALDA data. Miramar processed 10,829 units of common items, which is 18% of the total units they processed during the period.

The work centers for which common items represented the majority (50% or more) of the total units processed by at least one of the work centers being compared were: (COMMUNICATIONS); 61B (NAVIGATION); 62B (INSTRUMENTS); 62D (BATTERIES); 62F (INERTIAL NAVIGATION); 65Q (VAST STATION MAINTENANCE); 65S (VAST STATION CALIBRATION); 670 (PRECISION MEASURING EQUIPMENT/FIELD CALIBRATION); 81B EQUIPMENT); and 81C (OXYGEN EQUIPMENT). These work centers, with the exception of 65Q and 65S, are considered the prime candidates for consolidation. (Work Centers 65Q and 65S provide direct support for Work Center 65P (VAST), which had a low percentage of commonality and thus is probably not a good candidate for consolidation). In addition, since 800 Division is comprised of Work Centers 81A, 81B and 81C, and since 81B and 81C make up 92% of the total workload of the 800 Division at NAS North Island and 69% at NAS Miramar, the entire 800 Division is considered a consolidation candidate.

The NALDA data also revealed areas where one AIMD is automatically declaring a particular item Beyond Capability of Maintenance while the other AIMD is repairing the same type of item. These "Automatic BCM" items are denoted in Appendix D

by "05A" in the Work Center column. Note, for example, all the items listed for NAS Miramar under Work Center 940. North Island and Miramar could avoid AVDLR funds charges by establishing repair-and-return agreements for all items for which one AIMD has repair capability and the other doesn't. (Currently, the only item listed in Appendix D being repaired on a repair-and-return basis between the two AIMDs is Air Navigation Computer, NIIN 012168096, (Appendix D, line number 443 and 444) [Ref. 26]).

There are also examples of one AIMD having a significently higher RFI rate than the other AIMD. An example is Receiver-Transmitter, NIIN 000431990, (Appendix D, line numbers 55 and 56) for which Miramar had a 89% RFI rate and North Island had a 29% RFI rate during the reporting period. Another example is Receiver Assembly, NIIN 001174118, (Appendix D, line numbers 81 and 82) for which North Island had a 100% RFI rate and Miramar had a 24% RFI rate during the reporting period. These items also present opportunities for AVDLR funds savings through repair-and-return actions.

VII. SUMMARY AND RECOMMENDATIONS

A. SUMMARY

The thesis has discussed the expected benefits and drawbacks of consolidation, options for consolidation, and the areas of commonality between NAS North Island AIMD and NAS Miramar AIMD.

The potential benefits of consolidation include: 1) reduction of manpower; 2) reduction of support equipment; 3) reduction of inventory; 4) improved facilities utilization; and 5) improved productivity. The expected drawbacks of consolidation include: 1) transportation costs; 2) facilities modification costs; 3) impacts to customer service; 4) increased maintenance management and administrative requirements; and 5) reduced military resiliency.

Options for consolidation include: 1) the degree of organizational and service level consolidation; 2) single-siting all consolidated activities at a one AIMD or multi-sited consolidation; and 3) managing consolidated assets on a repair-and-return basis or returning them to the wholesale supply system.

The AIMDs at NAS North Island and NAS Miramar have commonality in manning, Automatic Test Equipment, and types of components repaired. There are four production divisions with

more than 75% commonality in their NECs: Airframes Division (AMH and AMS rates); Ordnance Division (AO rate); Aviation Life Support Systems Division (AME and PR rates); and Support Equipment Division (ASE rate). The Avionics Division has 55% NEC commonality in its AE rating, but only 35% commonality in its AT rating. Power Plants Division (AD rate) has the lowest NEC commonality (27%) of all the production divisions. two AIMDS operate ten major Automatic Test Equipment systems, and six are common to both. Additionally, the two AIMDs have 40% overall commonality in Test Program Sets equipment. There are 521 types of items that both AIMDs processed during the July 1990 to June 1991 time frame. Avionics Division and Aviation Life Support Systems have workcenters for which common items represent 50% or more of the total items processed by one or both of the work centers examined. These work centers are: 61A (COMMUNICATIONS); 61B (NAVIGATION); 62B (INSTRUMENTS); 62D (BATTERIES); 62F (INERTIAL NAVIGATION); 65Q (VAST MAINTENANCE); 65S (VAST CALIBRATION); 670 (PRECISION MEASURING EQUIPMENT/FIELD CALIBRATION); SURVIVAL EQUIPMENT; and OXYGEN EQUIPMENT.

B. RECOMMENDATIONS

There appears to be potential for consolidation of some of the common capabilities of the AIMDs at NAS North Island and NAS Miramar. However, the following areas require further research in order to make a determination as to the advisability of consolidation:

- 1) Present utilization of manpower.
- 2) Present utilization of support equipment.
- 3) Present utilization of existing facilities.
- 4) Modifications to facilities required to handle consolidated workload.
- 5) Change to repairable item inventory (pool) requirements caused by increased turnaround time.
- 6) Consumable repair parts inventory to be consolidated.
 - 7) Affects on handling and warehousing requirements.
 - 8) Costs to transfer personnel.
 - 9) Effects upon O-level operations.
 - 10) Changes to funding procedures.
 - 11) Changes to supply procedures.
- 12) Distribution of work load between day shift and night shift.
- 13) Forecasted changes to workload, manning, support equipment, and facilities.
- 14) Areas with little or no commonality in the exact types of components repaired which may nonetheless produce benefits if consolidated. Suggested areas to research are Tire and Wheel Build-up, Hydraulics, CAT IIID, Tailored Mini-VAST, RADCOM, and Armament Equipment repair.

The types of aircraft supported by the AIMDs at NAS North Island and NAS Miramar represent a wide cross-section of the different types of missions that Navy aircraft perform: North Island AIMD supports both fixed wing and rotory wing aircraft performing anti-submarine warfare and cargo delivery, and Miramar AIMD supports fighter and airborne early warning aircraft. Additionally, the two AIMDs together support 9 out of the 13 different types of aircraft supported by AIMDs nationwide. The fact that North Island and Miramar have high degrees of component repair commonality in specific areas despite the wide diversity of aircraft they support suggests that there may be areas of high commonality throughout all AIMDs. Accordingly, the authors recommend that the other collocated AIMDs listed in Table 1 conduct analyses to determine areas with consolidation potential and/or opportunities for establishing repair-and-return agreements for those items being repaired by one AIMD and declared BCM by another.

APPENDIX A

PRODUCTIVITY IMPROVEMENTS OF CONSOLIDATION

STORM DATA SET LISTING DETAILED PROBLEM DATA LISTING FOR CONSOLIDATION

		COMPORTS	444 4011	
ROW LABEL	NO.	ISLAND	MIRAMAR	CONSOLIDAT
# SERVERS		4	5	9
SOURCE PO	P	FIN	FIN	FIN
ARR RATE		1.	1.	1.
SERV DIST		EXP	EXP	EXP
SERV TIME		0.1	0.1	0.1
SERV STD		•	•	•
WAIT CAP		•	•	•
# CUSTMER	S	40	50	90
WAIT COST		•	•	•
COST/SERV		•	•	•
LOSTCUST	С	•	e	

NO. ISLAND: M / M / C / K / K Q U E U E S T A T I S T I C S

Number of identical servers	4
Mean arrival rate per customer	1.0000
Mean service rate per server	10.0000
Size of the source population	40
Mean server utilization (%)	85.7745
Expected number of customers in queue	2.2592
Expected number of customers in system	5.6902
Probability that a customer must wait	0.6889
Expected time in the queue	0.0658
Expected time in the system	0.1658

MIRAMAR: M / M / C / K / K Q U E U E S T A T I S T I C S

Number of identical servers	•	•		5
Mean arrival rate per customer			•	1.0000
Mean service rate per server				10.0000
Size of the source population	•	•	•	50
Mean server utilization (%)	•			86.5433
Expected number of customers in queue .		•	•	2.4012
Expected number of customers in system	•	•	•	6.7284
Probability that a customer must wait .	•	•	•	0.6696
Expected time in the queue	•	•	•	0.0555
Expected time in the system				0.1555

CONSOLIDAT: M / M / C / K / K Q U E U E S T A T I S T I C S

Number of identical servers	•	•	•	9
Mean arrival rate per customer			•	1.0000
Mean service rate per server			•	10.0000
Size of the source population	•	•	•	90
Mean server utilization (%)	•	•	•	88.1628
Expected number of customers in queue .	•	•	•	2.7189
Expected number of customers in system	•			10.6535
Probability that a customer must wait .				0.6111
Expected time in the queue				0.0343
Expected time in the system				0.1343

APPENDIX B

NEC COMMONALITY

of

NAS NORTH ISLAND and NAS MIRAMAR AIRCRAFT INTERMEDIATE MAINTENANCE DEPARTMENTS

RATE	PNEC	PRINCIPLE NEC SPECIALIZATION	MIRAMAR	NORIS
ΑD		GENERAL POWER PLANTS	15	15
AD	6410	F-110 TURBOFAN FIRST DEGREE REPAIR	8	 -
AD			96	
AD		J-52 TURBOJET FIRST DEGREE REPAIR	16	
AD		T-58 TURBOSHAFT FIRST DEGREE REPAIR		31
AD	6421	TF-34 TURBOFAN FIRST DEGREE REPAIR		38
		JET TEST CELL OPERATOR	7	8
AD	6423	T-56-425/426 TURBOPROP ENGINE & PROP	10	2
AD	6426	T-700 TURBOSHAFT FIRST DEGREE REPAIR HELICOPTER ROTORS & RELATED COMPONENTS		14
AD	6428	HELICOPTER ROTORS & RELATED COMPONENTS		3
AD	6429	TURBOSHAFT/PROP TEST CELL OPERATOR	1	
		AD TOTAL:	153	111
ΑE		GENERAL AIRCRAFT ELECTRICAL	30	16
AE	7105	ATTITUDE REFERENCE HEADING SYSTEM TECH		
AE		F-14 EMATS TECH	12	_
ΑE		POWER GENERATING SYSTEMS TECH	8 5	11
ΑE		AIRCRAFT INSTRUMENTS TECH	5	15
ΑE		HELICOPTER ASE/AFCS TECH		19
AE	7166	ENGINE TEST CELL ELECTRICIAN	4	4
AΕ	7173	ASM-175 ELECTRONIC MODULE TEST CONSOLE AFCS/ADC/INS/DRS & MINI-SACE GT-4 P-3/C-130/E-2/C-2 ELECTRICAL COMPONENTS	12	
AΕ	7174	AFCS/ADC/INS/DRS & MINI-SACE GT-4	7	
ΑE	7175	P-3/C-130/E-2/C-2 ELECTRICAL COMPONENTS		1
ΑE	7197	ASM-608 IMU TEST SET MAINTENANCE TECH	27	11
		AE TOTAL:	113	78
AME		GENERAL SAFETY EQUIPMENT	5	2
		AME TOTAL:	5	2
АМН		GENERAL HYDRAULICS	7	12
AMH		STATIONARY HYDRAULICS TEST STAND OPERATOR		
		AMH TOTAL:	30	43

DAME	DNEC	PRINCIPLE NEC SPECIALIZATION	MTDAMAD	NODIC
MALE		PRINCIPLE NEC SPECIALIZATION	MIKAMAK	NORIS
AMS		GENERAL STRUCTURES	31	25
		INERT-GAS ARC-WELDER	2	
AMS	7223	AIRCRAFT & ENGINE COMPONENT WELDER	5	2
		NONDESTRUCTIVE INSPECTION TECH	3	3
		STRUCTURAL REPAIR TECH	14	24
		AMS TOTAL:	55	54
λ O		GENERAL ORDNANCE EQUIPMENT	6	16
AO	6802	STRIKE I-LEVEL ARMAMENT MAINTENANCE	26	
		AO TOTAL:	32	25
AS		GENERAL SUPPORT EQUIPMENT	6	47
AS		SUPPORT EQUIPMENT CRYOGENIC MECH	5	1
AS	7602		15	9
AS	7603		1	_
AS	7606		8	5
AS	7607	SE MECHANIC	15	9
AS	7608	SE HYDRAULIC TECHNICIAN	16	
AS	7609	SE MAINTENANCE MANAGER	4	2
		AS TOTAL:	70	73
ΑT		GENERAL AVIONICS	25	23
AΤ	1588	ELECTRONIC TEST SET CALIBRATION	2	8
AT	6522	AKT-22 DATA LINK TECH	_	3
AΤ	6526	ANTISUBMARINE WARFARE TECH		19
		AIRBORNE SONAR TECH		9
ΤA	6529	SONOBUOY RECEIVER & RECORDER TECH		9
AΤ	6602	VHF COMMUNICATIONS EQUIPMENT TECH	1	3
ΑT	6605	RADAR ALTIMETER EQUIPMENT TECH	11	15
AΤ	6606	DOPPLER RADAR NAVIGATION TECH		2
AT	6607	DIGITAL DATA LINK COMMUNICATIONS TECH	10	5 3
AT	6608	NAVIGATION COMPUTER TECH	1	3
AT	6609	ELECTRONIC IDENTIFICATION (IFF) TECH	7	2
AT	6611	UHF, ADF, & ICS TECH	17	25
AT AT	6612	TACAN/RADIO NAVIGATION TECH	13	16
AT AT	6613 6614	HF COMMUNICATIONS TECH		4 16
AT AT	6618	APS-116 TECH USM-458 TECH	12	10
AT	6619	HATS (USM-403) OPERATOR	12	19
AT	6621	APS-125 RADAR TECH	14	13
AT	6623	CI ASA-27 SACE TEST BENCH TECH	2	
AT	6625	USM-449(V) AAI & 5500 SERIES ATE TECH	2	1

		PRINCIPLE NEC SPECIALIZATION	MIRAMAR	NORIS
			_	
AT	6626		2	-
AT	6628		15	7
AT	6633			
AT		COMMUNICATIONS SECURITY DEVICES TECH	6 7	6
ΑT		AAD-5 TECH	7	
AT	6639		í	
		ALQ-126 ECM TECH	7	
ΑT		ALQ-91/108 DECM TECH	,	5
ΑT	6650	AN/USM-470 ATS TECH	2	9
AT		ASM-347 SACE PROGRAMMER/MAINTAINER	19	23
AT		VAST (USM-247(V)) OPERATOR	19	5
AT	6653	VAST ON-LINE MAINTENANCE TECH	19	1
TA	6658	AN/USM-4/U(V)1 ATS ON-LINE MAINT IECH	Ω	10
AT	6659	VAST TEST PROGRAM SET ANALIST	•	3
AT	6660	AN/USM-470(V)1 ATS ON-LINE MAINT TECH VAST TEST PROGRAM SET ANALYST DYNAMIC ALIGNMENT TEST SET TECH VAST OFF-LINE MAINTENANCE/CALIBRATION	5	3
ΤA	6663	VAST OFF-LINE MAINTENANCE/CALIDRATION	10	17
TA	6673		10	1
AT		AAM-60(V)6 EOST TECH	15	5
AT	6686	USM-429 CAT IIID MAINTENANCE TECH		3
AT		USM-484 HYBRID TEST SET (HTS) MAINT TECH USM-470(V)2 ATS ON-LINE MAINTENANCE TECH	6	6
PΑ	6694		1	U
AT	7173		1	7
AT	7959	FLIR SYSTEMS TECH AWG-9/AWM-23 RADIO FREQ TEST CONSOLE TECH	24	,
AT	7984	AWG-9/AWM-23 KADIO FREQ TEST CONSOLE TECH	15	
TA	7988	AWG-9/AWM-23 LOW FREQ TEST STATION TECH	14	
AT	7989	AWG-9/AWM-23 COMPUTER TEST STATION TECH AWG-9/AWM-23 CONTROLS/DISPLAYS TECH	11	
AT	/991	AWG-9/AWM-23 CONTROLS/DISPLAIS IECH AWG-9/AWM-23 MODULE TEST STATION TECH	11	
ΤA	7992	AWG-9/AWM-23 MODULE TEST STATION TECH	17	
		AT TOTAL:	322	289
ממ		SURVIVAL EQUIPMENT	28	33
PR		SOUATAND EXOTEMENT		=
		PR TOTAL:		33
		TOTAL FOR ALL PRODUCTION RATES:	808	708

APPENDIX C

COMMON COMPONENT WEIGHT AND CUBE

Data Sources: 1. Naval Aviation Logistics Data Analysis(NALDA)

2. MIL-STD-726 Packaging Data Program, Version CD1*

Legen:

NIIN = National Item Identification Number

NOMEN = Nomenclature

AIMD = Aircraft Intermediate Maintenance Department

PROC = Number of items processed

WT = Maximum Package Weight (lbs)

CU = Maximum Cube Size of Package (cu.ft.)
AWT = Average Weight (PROC/250 days X WT)

ACU = Average Cubes (PROC/250 days X CU)

NR = No weight or cube information recorded in Database

Note:Blank weight and cube, indicate component repair site.

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
Work Cente	er 411						
009688188	HEATER ASSEMBLY, FUE	NORIS	1 1			0.000	0.000
	HEATER ASSEMBLY, FUE	MIR		11	0.521	0.044	0.002
	VALVE, AIR SHUT OFF	NORIS	7	5	0.289	0.140	0.008
	VALVE, AIR SHUT OFF	MIR	11			0.000	0.000
	VALVE, SOLENOID	NORIS	2	5	0.174	0.040	0.001
010389302	VALVE, SOLENOID	MIR	13			0.000	0.000
	COWL ASSEMBLY	NORIS	2	135	45.7	1.080	0.366
010621642	COWL ASSEMBLY	MIR	7			0.000	0.000
	AVERAGE TRANSFERED 1	PER DAY	Y:		•	1.304	0.377
WORK CENT				_			
	FLAP, COOLER E, IT	NORIS	4	7	2.4	0.112	0.038
	FLAP, COOLER E, IT	MIR	19			0.000	0.000
	DOOR, LANDING GEAR, A		1	56.8	23.3	0.227	0.093
	DOOR, LANDING GEAR, A		1	56.0		0.000	0.000
	DOOR, LANDING GEAR, A		1	56.8	23.3	0.227	0.093
	DOOR, LANDING GEAR, A		7	M	M	0.000	0.000
	TUBE, TORQUE, INBOARD		1	NR	NR	0.000	0.000
	TUBE, TORQUE, INBOARD		1	NR	NR	0.000	0.000
	LIMITER, LOAD	NORIS	3	1.2	0.087	0.014	0.001
009686614	LIMITER, LOAD	MIR	6			0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
010430703	COWLING ASSEMBLY	NORIS	_			0.000	0.000
	COWLING ASSEMBLY	MIR	5 1	101	34.4	0.404	0.138
	DOOR ASSEMBLY, WING	NORIS	1	NR	NR	0.000	0.000
	DOOR ASSEMBLY, WING	MIR	1	NR NR	NR NR	0.000	0.000
	MOUNT, DYNAFOCAL	NORIS	2	16	0.706	0.128	0.006
	MOUNT, DYNAFOCAL	MIR	5	10	0.700	0.000	0.000
011030730	noon1,binni oonb	1111	•				
	AVERAGE TRANSFERED	1.113	0.369				
WORK CENT							
	WHEEL, LANDING GEAR	NORIS	82	16	0.706		0.232
	WHEEL, LANDING GEAR	MIR	301			0.000	0.000
	RIM, WHEEL, PNEUMATIC		121	NR	NR	0.000	0.000
	RIM, WHEEL, PNEUMATIC		230	NR	NR	0.000	0.000
	WHEEL, LANDING GEAR	NORIS	69	202	5	55.752	1.380
	WHEEL, LANDING GEAR	MIR	295			0.000	0.000
	TIRE, PNEUMATIC	NORIS	1	NR	NR	0.000	0.000
012943044	TIRE, PNEUMATIC	MIR	4	NR	NR	0.000	0.000
	AVERAGE TRANSFERED	יגח סדם	v •			61.000	1.612
	AVERAGE TRANSPERED	PER DA				01.000	1.012
WORK CENT	ER 52A						
000215577	VALVE, REGULATING, FL	NORIS	1			0.000	
	VALVE, REGULATING, FL		4	1.44			0.001
000252475	CYLINDER ASSEMBLY, A	NORIS	1	101	5.5	0.404	0.022
NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
NIIN	NOMEN	TTTTD					700
000252475	CYLINDER ASSEMBLY, A	MIR	3			0.000	0.000
	VALVE, LINEAR, DIRECT		1	3	0.115	0.012	0.000
	VALVE, LINEAR, DIRECT		2			0.000	0.000
	PUMP, AXIAL PISTONS	NORIS	2	35.3	0.706	0.282	0.006
	PUMP, AXIAL PISTONS	MIR	8			0.000	0.000
	AVERAGE TRANSFERED	PER DA	Y:			0.721	0.029
WORK CENT	ER 52B						
001522743	BRAKE, MULTIPLE DISK	NORIS	9			0.000	0.000
	BRAKE, MULTIPLE DISK		3	102	2.5	1.224	0.030
013218031	HOUSING, BRAKE, AIRCR	NORIS	1	NR	NR	0.000	0.000
013218031	HOUSING, BRAKE, AIRCR	MIR	1	NR	NR	0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~						
	AVERAGE TPANSFERED I	PER DA	Y:		•	1.224	0.030
WORK CENT	FD 613						
	MOUNTING BASE, ELECT	NORTS	1	10	1.1	0.040	0.004
	MOUNTING BASE, ELECT		1			0.000	0.000
	CONTROL, INTERCOMMUN		2	23.8	2.4	0.190	0.019
	CONTROL, INTERCOLMUN		14		211	0.000	0.000
	AMPLIFIER, RADIO FRE		4	1.2	0.087	0.019	0.001
	AMPLIFIER, RADIO FRE		8	_,_		0.000	0.000
	POWER SUPPLY	NORIS	ī	2.84	0.115	0.011	0.000
	POWER SUPPLY	MIR	1			0.000	0.000
	AMPLIFIER-OSCILLATO		4	1.94	0.087	0.031	0.001
	AMPLIFIER-OSCILLATO		12			0.000	0.000
	RECEIVER-TRANSMITTE		7	3.2	0.174	0.090	0.005
	RECEIVER-TRANSMITTE		9			0.000	0.000
000504288	AMPLIFIER, RADIO FRE	NORIS	3	2.84	0.174	0.034	0.002
	AMPLIFIER, RADIO FRE		20			0.000	0.000
000565487	AMPLIFIER, INTERMEDI	NORIS	2	1.94	0.069	0.016	0.001
000565487	AMPLIFIER, INTERMEDI	MIR	3			0.000	0.000
000592726	AMPLIFIER-RELAY ASS	NORIS	9	20	2	0.720	0.072
000592726	AMPLIFIER-RELAY ASS	MIR	14			0.000	0.000
000681555	RECEIVER-TRANSMITTE	NORIS	37	28	3.2	4.144	0.474
000681555	RECEIVER-TRANSMITTE	MIR	63			0.000	0.000
000894403	CONTROL, TRANSPONDER	NORIS	2	7	0.231	0.056	0.002
000894403	CONTROL, TRANSPONDER	MIR	13			0.000	0.000
	RECEIVER-TRANSMITTE		1	28	3.2	0.112	0.013
000897179	RECEIVER-TRANSMITTE	MIR	6			0.000	0.000
	POWER SUPPLY	NORIS	18	8.5	1.3	0.612	0.094
	POWER SUPPLY	MIR	31			0.000	0.000
	RADIO SET	NORIS	4	45.2	5.3	0.723	0.085
	RADIO SET	MIR	5			0.000	0.000
	ELECTRONIC SWITCH	NORIS	2	1	0.174	0.008	0.091
	ELECTRONIC SWITCH	MIR	3			0.000	0.000
	CIRCUIT CARD ASSEMB		2	1	0.231	0.008	0.002
	CIRCUIT CARD ASSEMB		4			0.000	0.000
	CIRCUIT CARD ASSEMB		2	1	0.231	0.008	0.002
	CIRCUIT CARD ASSEMB		12	_		0.000	0.000
	CIRCUIT CARD ASSEMB		1	1	0.069	0.004	0.000
	CIRCUIT CARD ASSEMB		1			0.000	0.000
	RECEIVER ASSEMBLY	NORIS	6	6.3	1.3	0.151	0.031
	RECEIVER ASSEMBLY	MIR	17	_		0.000	0.000
	CAVITY, TUNED	NORIS	1	1	0.174	0.004	0.001
	CAVITY, TUNED	MIR	1	_		0.000	0.000
	CONTROL, INTERROGATO		1	5	0.405	0.020	0.002
001339179	CONTROL, INTERROGATO	MIR	1			0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CÜ	AWT	ACU
001046040	DECETURD MOLNOWIMM	NODIC	1.0	70.1		2 265	0 011
	RECEIVER-TRANSMITTE		12	70.1	4.4	3.365	0.211
	RECEIVER-TRANSMITTE	-	136	4.0	4 0	0.000	0.000
	RECEIVER-TRANSMITTE		14	18	1.9	1.008	0.106
	RECEIVER-TRANSMITTE		77	•		0.000	0.000
	CIRCUIT CARD ASSEMB		2	3	0.231	0.024	0.002
	CIRCUIT CARD ASSEMB		8			0.000	0.000
	CIRCUIT CARD ASSEMB		2			0.000	0.000
	CIRCUIT CARD ASSEMB		1	3.8	0.347	0.015	0.001
	RADIO FREQUENCY SUB		11			0.000	0.000
	RADIO FREQUENCY SUB		39	_		0.000	0.000
	CIRCUIT CARD ASSEMB		3	3	0.231	0.036	0.003
	CIRCUIT CARD ASSEMB		6	_		0.000	0.000
	CIRCUIT CARD ASSEMB		1	3	0.231	0.012	0.001
	CIRCUIT CARD ASSEMB					0.000	0.000
	RECEIVER-TRANSMITTE		50	53.2	5.3	10.640	1.060
	RECEIVER-TRANSMITTE		81			0.000	0.000
	BEACON SET, RADIO	NORIS	105	2	0.069	0.840	0.029
	BEACON SET, RADIO	MIR	162			0.000	0.000
	RECEIVER-TRANSMITTE		33	28	3.2	3.696	0.422
	RECEIVER-TRANSMITTE		98			0.000	0.000
	CONTROL, INTERROGATO		7	3	0.579	0.084	0.016
	CONTROL, INTERROGATO		34			0.000	0.000
	RECEIVER-TRANSMITTE		5	28	3.2	0.560	0.064
	RECEIVER-TRANSMITTE		5			0.000	0.000
	RECEIVER-TRANSMITTE		1			0.000	0.000
	RECEIVER-TRANSMITTE		1	127	24	0.508	0.096
	ELECTRONIC COMPONEN		1			0.000	0.000
	ELECTRONIC COMPONEN		1	6.6	1	0.026	0.004
	CONTROL, INTERCOMMUN		1	23.3	2.4	0.093	0.010
	CONTROL, INTERCOMMUN		15			0.000	0.000
002722560	AMPLIFIER, AUDIO FRE	NORIS	1	3.6	0.347	0.014	0.001
	AMPLIFIER, AUDIO FRE		2			0.000	0.000
	TEST SET, TRANSPONDE		15	17.7	1.6	1.062	0.096
004713174	TEST SET, TRANSPONDE	MIR	18			0.000	0.000
004815003	CIRCUIT CARD ASSEMB	NORIS	2	3	0.231	0.024	0.002
004815003	CIRCUIT CARD ASSEMB	MIR	3			0.000	0.000
005051884	CIRCUIT CARD ASSEMB	NORIS	20			0.000	0.000
005051884	CIRCUIT CARD ASSEMB	MIR	49	2.34	0.231	0.459	0.045
005662959	CIRCUIT CARD ASSEMB	NORIS	1	NR	NR	0.000	0.000
005662959	CIRCUIT CARD ASSEMB	MIR	2	NR	NR	0.000	0.000
005674544	ELECTRONIC COMPONEN	NORIS	2	1.5	0.087	0.012	0.001
005674544	ELECTRONIC COMPONEN	MIR	5			0.000	0.000
005674548	CONTROL, RECEIVER-TR	NORIS	6			0.000	0.000
005674548	CONTROL, RECEIVER-TR	MIR	7	3	0.289	0.084	0.008
005674549	AMPLIFIER, RADIO FRE	NORIS	7	3	0.289	0.084	0.008
	AMPLIFIER, RADIO FRE		25			0.000	0.000
	CONTROL, RADIO SET	NORIS	6			0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
007205002	COMMENT DARIO CEM	MTD	-	4.8	0.405	0.010	0 000
	CONTROL, RADIO SET AMPLIFIER, RADIO FRE	MIR	1 1		0.405 0.174	0.019 0.010	0.002 0.001
		NORIS		2.6	0.1/4		
	AMPLIFIER, RADIO FRE		7	1 4	0.007	0.000	0.000
	RECEIVER, RADIO	NORIS	1	1.4	0.087	0.006	0.000
	RECEIVER, RADIO	MIR	5			0.000	0.000
	CONTROL, TRANSPONDER		7	_	0 001	0.000	0.000
	CONTROL, TRANSPONDER		5	7	0.231	0.140	0.005
	RADIO SET	NORIS	542	2	0.174	4.336	0.377
	RADIO SET	MIR	408			0.000	0.000
	RECEIVER TRANSMI	NORIS	4	70.1	4.4	1.122	0.070
	RECEIVER TRANSMI	MIR	62		_	0.000	0.000
	SYNCHRONIZER, ELECTR		14	15.2	2	0.851	0.112
	SYNCHRONIZER, ELECTR		53			0.000	0.000
008100140		NORIS	8	40.3	3.2	1.290	0.102
008100140		MIR	68			0.000	0.000
	RECEIVER-TRANSMITTE	NORIS	2			0.000	0.000
		MIR	1	66.2	8.5	0.265	0.034
008488407		NORIS	4	4.1	0.231	0.066	0.004
008488407		MIR	10			0.000	0.000
008601410	· · · · · · · · · · · · · · · · · · ·		2	7	0.231	0.056	0.002
008601410		MIR	3			0.000	0.000
008954446	TEST SET, TRANSPONDE	NORIS	16	7	1.3	0.448	0.083
008954446	TEST SET, TRANSPONDE	MIR	21			0.000	0.000
009007994	CONTROL, RADIO SET	NORIS	1	6	0.347	0.024	0.001
009007994		MIR	24			0.000	0.000
009290904	RECEIVER, RADIO	NORIS	1	1.44	0.046	0.006	0.000
009290904	RECEIVER, RADIO	MIR	1			0.000	0.000
009332825	CONTROL, INTERCOMMUN	NORIS	4	5	0.347	0.080	0.006
009332825	CONTROL, INTERCOMMUN	MIR	17			0.000	0.000
009509135	CONTROL UNIT	NORIS	1	NR	NR	0.000	0.000
009509135	CONTROL UNIT	MIR	1	NR	NR	0.000	0.000
010130826	RECEIVER-TRANSMITTE	NORIS	5			0.000	0.000
010130826	RECEIVER-TRANSMITTE	MIR	1	12.5	1.5	0.050	0.006
010184240	RECEIVER-TRANSMITTE	NORIS	17	29.5	3	2.006	0.204
010184240	RECEIVER-TRANSMITTE	MIR	57			0.000	0.000
010213503	CONTROL, RADIO SET	NORIS	1	23.8	2.4	0.095	0.010
010213503	CONTROL, RADIO SET	MIR	61			0.000	0.000
	CIRCUIT CARD ASSEMB		4			0.000	0.000
	CIRCUIT CARD ASSEMB		20	2	0.231	0.160	0.018
	CASE ASSEMBLY	NORIS	5	4.1	0.231	0.082	0.005
	CASE ASSEMBLY	MIR	16			0.000	0.000
	RECEIVER-TRANSMITTE		22	70.1	4.4	6.169	0.387
	RECEIVER-TRANSMITTE		110	· - 		0.000	0.000
	CIRCUIT CARD ASSEMB		3			0.000	0.000
	CIRCUIT CARD ASSEMB		1	3	0.231	0.012	0.001
	CIRCUIT CARD ASSEMB		1	3	0.231	0.012	0.001
	CIRCUIT CARD ASSEMB		2	•		0.000	0.000
			_				

NTTN	NOWEN						2011
NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
	CIRCUIT CARD AS	NORIS	2			0.000	0.000
	CIRCUIT CARD AS	MIR		3		0.012	0.001
	CIRCUIT CARD ASSEMB		1	3	0.231	0.012	0.001
	CIRCUIT CARD ASSEMB		1			0.000	
	POWER SUPPLY	NORIS	7	18	3.2	0.504	
	POWER SUPPLY	MIR	20			0.000	
	RECEIVER-TRANSMITTE		17	66.2	8.5		
	RECEIVER-TRANSMITTE		75			0.000	
	POWER AMPLIFIER	NORIS	2	3	0.231	0.024	
	POWER AMPLIFIER	MIR	10			0.000	
	CONTROL, INTERCOMMUN		1	3	0.231	0.012	0.001
	CONTROL, INTERCOMMUN		4			0.000	
	PROCESSOR	NORIS	3			0.000	
	PROCESSOR	MIR	1		0.231		
	RECEIVER-TRANSMITTE		13	41.9	4.6		
012033480	RECEIVER-TRANSMITTE	MIR	60			0.000	0.000
	AVERAGE TRANSFERED I	PER DAY	Y:			54.206	5.342
WORK CENT							
	RECEIVER-TRANSMITTE		1		_	0.000	0.000
	RECEIVER-TRANSMITTE		3	25	2.3		0.028
	CIRCUIT CARD ASSEMB		3			0.000	0.000
	CIRCUIT CARD ASSEMB		5	0.94	0.115		0.002
	CIRCUIT CARD ASSEMB		1	2	0.231	0.008	0.001
	CIRCUIT CARD ASSEMB		1			0.000	0.000
	CIRCUIT CARD ASSEMB		5	_		0.000	0.000
	CIRCUIT CARD ASSEMB		2	1	0.115	0.008	0.001
	POWER SUPPLY	NORIS	12	_		0.000	0.000
	POWER SUPPLY	MIR	2	3	0.174		0.001
001100938	CONVERTER, SIGNAL DA	NORIS	39	26	4.5	4.056	0.702
	CONVERTER, SIGNAL DA		70	25.0		0.000	0.000
	RECEIVER, RADAR	NORIS		25.8	2.4		0.038
	RECEIVER, RADAR	MIR	17	0.5		0.000	0.000
	RECEIVER-TRANSMITTE		2	25	1.6	0.200	0.013
	RECEIVER-TRANSMITTE		28	0.6	0 501	0.000	0.000
	RECEIVER, RADIO	NORIS	1	9.6	0.521	0.038	0.002
	RECEIVER, RADIO	MIR	7	20	2.6	0.000	0.000
	DECODER, PULSE	NORIS	1	20	2.6	0.080	0.010
	DECODER, PULSE	MIR	7		0.405	0.000	0.000
	CONTROL, NAVIGATION	NORIS	15	6.6	0.405	0.396	0.024
	CONTROL, NAVIGATION	MIR	66	21	3 1	0.000	0.000
	RECEIVER-TRANSMITTE		3	21	3.1	0.252	0.037
	RECEIVER-TRANSMITTE		8	20	2.6	0.000	0.000
	DECODER, PULSE	NORIS	1	20	2.6	0.080	0.010
001482388	DECODER, PULSE	MIR	5			0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
	*						
001485989	CONTROL, RECEIVER	NORIS	1	3	0.231	0.012	0.001
	CONTROL, RECEIVER	MIR	7	•		0.000	0.000
	CIRCUIT CARD ASSEMB	NORIS	1	3	0.347	0.012	0.001
	CIRCUIT CARD ASSEMB	MIR	3	_		0.000	0.000
	AMPLIFIER, POWER	NORIS	18	14	0.706	1.008	0.051
	AMPLIFIER, POWER	MIR	31	_ •		0.000	0.000
	COMPUTER, RANGE	NORIS	1			0.000	0.000
	COMPUTER, RANGE	MIR	1	9	0.706	0.036	0.003
	CONVERTER-RECEIVER	NORIS	12			0.000	0.000
	CONVERTER-RECEIVER	MIR	7	5	0.521	0.140	0.015
	CONTROL, COMMUNICATI		4	6	0.845	0.096	0.014
	CONTROL, COMMUNICATI		22			0.000	0.000
	RECEIVER-TRANSMITTE		3			0.000	0.000
001687813	RECEIVER-TRANSMITTE	MIR	1	25	1.6	0.100	0.006
001687820	RECEIVER, RADAR	NORIS	1	25.8	2.4	0.103	0.010
001687820	RECEIVER, RADAR	MIR	2			0.000	0.000
	CONVERTER, SIGNAL DA	NORIS	4			0.000	0.000
	CONVERTER, SIGNAL DA		2	26	4.5	0.208	0.036
	RECEIVER-TRANSMITTE		64	63	5.3	16.128	1.357
001688769	RECEIVER-TRANSMITTE	MIR	138			0.000	0.000
001688770	MOUNTING BASE, ELECT	NORIS	3	10.75	2.2	0.129	0.026
001688770	MOUNTING BASE, ELECT	MIR	7			0.000	0.000
001688771	CONTROL, NAVIGATION	NORIS	3	2.5	0.463	0.030	0.006
001688771	CONTROL, NAVIGATION	MIR	5			0.000	0.000
001688856	CONTROL, RECEIVER	NORIS	2	3	0.231	0.024	0.002
001688856	CONTROL, RECEIVER	MIR	9			0.000	0.000
004917513	RECEIVER, RADIO	NORIS	1	9.6	0.521	0.038	0.002
004917513	RECEIVER, RADIO	MIR	18			0.000	0.000
004917514	DECODER, PULSE	NORIS	5	20	2.6	0.400	0.052
004917514	DECODER, PULSE	MIR	15			0.000	0.000
006500503	ANTENNA	NORIS	30	20	1.9	2.400	0.228
006500503	· 	MIR	17			0.000	0.000
	MODULE, RANGE	NORIS	1			0.000	0.000
006887618	MODULE, RANGE	MIR	1	1	0.017	0.004	0.000
	AMPLIFIER	NORIS	1			0.000	0.000
007384906	AMPLIFIER	MIR	1	2	0.017	0.008	0.000
008490055		NORIS	14			0.000	0.000
008490055		MIR	1	20	1.9	0.080	0.008
	MODULE ASSY, RANGE	NORIS	1	2.84	0.174	0.011	0.001
	MODULE ASSY, RANGE	MIR	11			0.000	0.000
	MODULE ASSY	NORIS	4	15	1.4	0.240	0.022
	MODULE ASSY	MIR	39	_		0.000	0.000
	DECODER, RANGE	NORIS	2	4.6	0.174	0.037	0.001
	DECODER, RANGE	MIR	4			0.000	0.000
	INDICATOR, HEIGHT	NORIS	23			0.000	0.000
	INDICATOR, HEIGHT	MIR	4	2.67	0.115	0.043	0.002
009763353	MODULE ASSEMBLY, RF	NORIS	2			0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	TWA	ACU
009763353	MODULE ASSEMBLY, RF	MIR	1	15	1.4	0.060	0.006
	CONTROL, RECEIVER-TR		1			0.000	0.000
	CONTROL, RECEIVER-TR		2	22.6	2.4	0.181	0.019
	RECEIVER-TRANSMITTE		29			0.000	0.000
010121938	RECEIVER-TRANSMITTE	MIR	12	59	5.3	2.832	0.254
010124864	ADAPTER, RECEIVER-TR	NORIS	2	12	1.8	0.096	0.014
010124864	ADAPTER, RECEIVER-TR	MIR	10			0.000	0.000
	RECEIVER-TRANSMITTE		5	84.9	7.7	1.698	0.154
	RECEIVER-TRANSMITTE		140			0.000	0.000
	RECEIVER-TRANSMITTE		3	84.9	7.7	1.019	0.092
	RECEIVER-TRANSMITTE		7			0.000	0.000
	RECEIVER-TRANSMITTE		8	84.9	7.7	2.717	0.246
	RECEIVER-TRANSMITTE		14			0.000	0.000
	RECEIVER-TRANSMITTE		15			0.000	0.000
	RECEIVER-TRANSMITTE		26	25	1.6	2.600	0.166
	RECEIVER-TRANSMITTE		1	28	1.6	0.112	0.006
	RECEIVER-TRANSMITTE		17			0.000	0.000
	RECEIVER TRANSMITTE		21			0.000	0.000
	RECEIVER TRANSMITTE		15	25	2.3	1.500	0.138
	TRANSMITTER, RADAR	NORIS	7	NR	NR	0.000	0.000
	TRANSMITTER, RADAR	MIR	1	NR	NR	0.000	0.000
	RECEIVER, RADAR	NORIS	4	NR	NR	0.000	0.000
	RECEIVER, RADAR	MIR	4 9	NR NR	NR NR	0.000 0.000	0.000 0.000
	AMPLIFIER, INTERMEDI AMPLIFIER, INTERMEDI		1	NR NR	NR NR	0.000	0.000
013210345	AMPLIFIER, INTERMEDI	MIK		MK	NK		
	AVERAGE TRANSFERED	PER DA	Y:			39.976	3.811
WORK CENT	ER 62A						
001592298	GYROSCOPE, DISPLACEM	NORIS	69			0.000	0.000
001592298	GYROSCOPE, DISPLACEM	MIR	64	70.8	12.3	18.125	3.149
001827733	GYROSCOPE, DISPLACEM	NORIS	6	101	18.2	2.424	0.437
	GYROSCOPE, DISPLACEM		23			0.000	0.000
	SERVOMECHANISM, AMP		1	1.25	0.087	0.005	0.000
004218890	SERVOMECHANISM, AMP	MIR	25			0.000	0.000
	POWER SUPPLY	NORIS	4	0.5	0.029	0.008	0.000
	POWER SUPPLY	MIR	13			0.000	0.000
	SWITCH, ROTARY	NORIS	1	2	0.174	0.008	0.001
	SWITCH, ROTARY	MIR	9			0.000	0.000
	GYROSCOPE, DISPLACEM		5	101	18.2	2.020	0.364
	GYROSCOPE, DISPLACEM		4			0.000	0.000
	CONTROLLER, COMPASS		3	_	0 045	0.000	0.000
	CONTROLLER, COMPASS		1	6	0.845	0.024	0.003
	GYROSCOPE, DISPLACEM		1	101	18.2	0.404	0.073
	GYROSCOPE, DISPLACEM		5			0.000	0.000
00/598492	AMPLIFIER-POWER SUP	NORIS	14			0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
007598492	AMPLIFIER-POWER SUP	MIR	23	29	3	2.668	0.276
007625899	AMPLIFIER, SPECIAL	NORIS	5	63.7	9.1	1.274	0.182
007625899	AMPLIFIER, SPECIAL	MIR	25			0.000	0.000
009060598	COMPENSATOR, ELECTRO	NORIS	26			0.000	0.000
009060598	COMPENSATOR, ELECTRO	MIR	13	45.2	4.6	2.350	0.239
009190659	CONTROLLER, COMPASS	NORIS	2	6	0.845	0.048	0.007
	CONTROLLER, COMPASS	MIR	4			0.000	0.000
	GYROSCOPE, DISPLACEM		26			0.000	0.000
	GYROSCOPE, DISPLACEM		4	101	18.2	1.616	0.291
	GYROSCOPE, DISPLACEM		10	101	18.2	4.040	0.728
	GYROSCOPE, DISPLACEM		14			0.000	0.000
	CONTROLLER, COMPASS		2			0.000	0.000
	CONTROLLER, COMPASS		1	6	0.845	0.024	0.003
	AMPLIFIER, ELECTRONI		1	63.7	9.1	0.255	0.036
	AMPLIFIER, ELECTRONI		12			0.000	0.000
	LIGHT, INDICATOR	NORIS	3			0.000	0.000
	LIGHT, INDICATOR	MIR	4	1.5	0.115	0.024	0.002
	AMPLIFIER, ELECTRONI		22			0.000	0.000
	AMPLIFIER, ELECTRONI		6	52.2	5.3	1.253	0.127
	CONTROLLER COMPASS	NORIS	1	3.4	0.347	0.014	0.001
012783627	CONTROLLER COMPASS	MIR	3			0.000	0.000
	AVERAGE TRANSFERED	PER DA	:			36.583	5.921
	AVERAGE TRANSFERED 1	PER DA	' :			36.583	5.921
WORK CENT	ER 62B						
000202854	ER 62B INDICATOR, VERTICAL	NORIS	5	-	0.001	0.000	0.000
000202854 000202854	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL	NORIS MIR	5 4	5	0.231	0.000 0.080	0.000 0.004
000202854 000202854 000559517	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU	NORIS MIR NORIS	5 4 3	5 16.6	0.231 1.6	0.000 0.080 0.199	0.000 0.004 0.019
000202854 000202854 000559517 000559517	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU	NORIS MIR NORIS MIR	5 4 3 22	16.6	1.6	0.000 0.080 0.199 0.000	0.000 0.004 0.019 0.000
000202854 000202854 000559517 000559517 000563092	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL	NORIS MIR NORIS MIR NORIS	5 4 3 22 1			0.000 0.080 0.199 0.000 0.014	0.000 0.004 0.019 0.000 0.002
000202854 000202854 000559517 000559517 000563092 000563092	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL	NORIS MIR NORIS MIR NORIS MIR	5 4 3 22 1 2	16.6 3.6	1.6 0.405	0.000 0.080 0.199 0.000 0.014 0.000	0.000 0.004 0.019 0.000 0.002 0.000
000202854 000202854 000559517 000559517 000563092 000563092	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER	NORIS MIR NORIS MIR NORIS MIR NORIS	5 4 3 22 1 2	16.6 3.6 NR	1.6 0.405 NR	0.000 0.080 0.199 0.000 0.014 0.000	0.000 0.004 0.019 0.000 0.002 0.000
000202854 000202854 000559517 000559517 000563092 000703374 000703374	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER	NORIS MIR NORIS MIR NORIS MIR NORIS MIR	5 4 3 22 1 2 1 3	16.6 3.6 NR NR	1.6 0.405 NR NR	0.000 0.080 0.199 0.000 0.014 0.000 0.000	0.000 0.004 0.019 0.000 0.002 0.000 0.000
000202854 000202854 000559517 000559517 000563092 000563092 000703374 000703374	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET	NORIS MIR NORIS MIR NORIS MIR NORIS MIR	5 4 3 22 1 2 1 3 5	16.6 3.6 NR	1.6 0.405 NR	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.000	0.000 0.004 0.019 0.000 0.002 0.000 0.000 0.000
000202854 000202854 000559517 000559517 000563092 000563092 000703374 000703374 000755861	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET INDICATOR, TORQUEMET	NORIS MIR NORIS MIR NORIS MIR NORIS MIR	5 4 3 22 1 2 1 3 5	16.6 3.6 NR NR	1.6 0.405 NR NR	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.000	0.000 0.004 0.019 0.000 0.002 0.000 0.000 0.000
000202854 000202854 000559517 000559517 000563092 000563092 000703374 000703374 000755861 000763050	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET INDICATOR, TORQUEMET CLOCK, PANEL	NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR	5 4 3 22 1 2 1 3 5 17 195	16.6 3.6 NR NR 1.63	1.6 0.405 NR NR 0.174	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.000 0.033 0.000	0.000 0.004 0.019 0.000 0.002 0.000 0.000 0.000 0.003 0.000
000202854 000202854 000559517 000559517 000563092 000763374 000703374 000755861 000763050 000763050	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET INDICATOR, TORQUEMET CLOCK, PANEL CLOCK, PANEL	NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR	5 4 3 22 1 2 1 3 5 17 195 171	16.6 3.6 NR NR 1.63	1.6 0.405 NR NR 0.174	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.000 0.033 0.000 0.000 0.000	0.000 0.004 0.019 0.000 0.002 0.000 0.000 0.000 0.000 0.000 0.000
000202854 000202854 000559517 000559517 000563092 000703374 000703374 000755861 000763050 000763050 000861632	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET INDICATOR, TORQUEMET CLOCK, PANEL CLOCK, PANEL INDICATOR, ATTITUDE	NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS	5 4 3 22 1 2 1 3 5 17 195 171	16.6 3.6 NR NR 1.63	1.6 0.405 NR NR 0.174	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.000 0.033 0.000 0.000 0.684 1.402	0.000 0.004 0.019 0.000 0.002 0.000 0.000 0.000 0.003 0.000 0.000 0.119 0.246
000202854 000202854 000559517 000559517 000563092 000703374 000703374 000755861 000755861 000763050 000763050 000861632	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET INDICATOR, TORQUEMET CLOCK, PANEL CLOCK, PANEL INDICATOR, ATTITUDE INDICATOR, ATTITUDE	NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR	5 4 3 22 1 2 1 3 5 17 195 171 5	16.6 3.6 NR NR 1.63	1.6 0.405 NR NR 0.174 0.174	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.000 0.033 0.000 0.000 0.684 1.402 0.000	0.000 0.004 0.019 0.000 0.002 0.000 0.000 0.000 0.003 0.000 0.119 0.246 0.000
000202854 000202854 000559517 000559517 000563092 000563092 000703374 000703374 000755861 000763050 000763050 000861632 000861632	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET INDICATOR, TORQUEMET CLOCK, PANEL CLOCK, PANEL INDICATOR, ATTITUDE INDICATOR, ATTITUDE ALTIMETER, SERVO CON	NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS	5 4 3 22 1 2 1 3 5 17 195 171 5 12 15	16.6 3.6 NR NR 1.63	1.6 0.405 NR NR 0.174	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.000 0.033 0.000 0.033 0.000 0.684 1.402 0.000 0.480	0.000 0.004 0.019 0.000 0.002 0.000 0.000 0.003 0.000 0.000 0.119 0.246 0.000 0.090
000202854 000202854 000559517 000559517 000563092 000763374 000703374 000755861 000763050 000763050 000763050 000861632 000861632 000863840	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET INDICATOR, TORQUEMET CLOCK, PANEL CLOCK, PANEL INDICATOR, ATTITUDE INDICATOR, ATTITUDE ALTIMETER, SERVO CON ALTIMETER, SERVO CON	NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR	5 4 3 22 1 2 1 3 5 17 195 171 5 12 15	16.6 3.6 NR NR 1.63	1.6 0.405 NR NR 0.174 0.174 12.3	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.033 0.000 0.033 0.000 0.684 1.402 0.000 0.480 0.000	0.000 0.004 0.019 0.000 0.002 0.000 0.000 0.003 0.000 0.000 0.119 0.246 0.000 0.090
000202854 000202854 000559517 000559517 000563092 000563092 000703374 0007055861 000755861 000763050 000763050 000861632 000861632 000863840 000863840	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET INDICATOR, TORQUEMET CLOCK, PANEL CLOCK, PANEL INDICATOR, ATTITUDE INDICATOR, ATTITUDE ALTIMETER, SERVO CON ALTIMETER, SERVO CON INDICATOR, BEARING-D	NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR	5 4 3 22 1 2 1 3 5 17 195 171 5 12 15 151	16.6 3.6 NR NR 1.63	1.6 0.405 NR NR 0.174 0.174	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.033 0.000 0.033 0.000 0.684 1.402 0.000 0.480 0.000	0.000 0.004 0.019 0.000 0.002 0.000 0.000 0.003 0.000 0.000 0.119 0.246 0.000 0.090 0.090
000202854 000202854 000559517 000559517 000563092 000563092 000703374 0007055861 000755861 000763050 000763050 000861632 000861632 000863840 000863840 000863840	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET INDICATOR, TORQUEMET CLOCK, PANEL CLOCK, PANEL INDICATOR, ATTITUDE INDICATOR, ATTITUDE ALTIMETER, SERVO CON ALTIMETER, SERVO CON INDICATOR, BEARING-D INDICATOR, BEARING-D	NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS	5 4 3 22 1 2 1 3 5 17 195 171 5 12 15 151 4 51	16.6 3.6 NR NR 1.63 1 70.1 8 21.1	1.6 0.405 NR NR 0.174 0.174 12.3 1.5 2.6	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.033 0.000 0.684 1.402 0.000 0.480 0.000 0.338 0.000	0.000 0.004 0.019 0.000 0.000 0.000 0.000 0.000 0.119 0.246 0.000 0.090 0.090 0.000
000202854 000202854 000559517 000559517 000563092 000563092 000703374 000755861 000755861 000763050 000763050 000861632 000861632 000863840 000863840 000897912 000897912	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET INDICATOR, TORQUEMET CLOCK, PANEL CLOCK, PANEL INDICATOR, ATTITUDE INDICATOR, ATTITUDE ALTIMETER, SERVO CON ALTIMETER, SERVO CON INDICATOR, BEARING-D INDICATOR, BEARING-D INDICATOR, ATTITUDE	NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR	5 4 3 22 1 2 1 3 5 17 195 171 5 12 15 151 4 51	16.6 3.6 NR NR 1.63	1.6 0.405 NR NR 0.174 0.174 12.3	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.033 0.000 0.684 1.402 0.000 0.480 0.000 0.338 0.000	0.000 0.004 0.019 0.000 0.002 0.000 0.000 0.003 0.000 0.000 0.119 0.246 0.000 0.090 0.090 0.042 0.000
000202854 000202854 000559517 000559517 000563092 000563092 000703374 0007055861 000755861 000763050 000763050 000861632 000861632 000863840 000863840 000863840	ER 62B INDICATOR, VERTICAL INDICATOR, VERTICAL INDICATOR, LIQUID QU INDICATOR, LIQUID QU INDICATOR, VERTICAL INDICATOR, VERTICAL ALTIMETER, ENCODER ALTIMETER, ENCODER INDICATOR, TORQUEMET INDICATOR, TORQUEMET CLOCK, PANEL CLOCK, PANEL INDICATOR, ATTITUDE INDICATOR, ATTITUDE ALTIMETER, SERVO CON ALTIMETER, SERVO CON INDICATOR, BEARING-D INDICATOR, BEARING-D	NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS MIR NORIS	5 4 3 22 1 2 1 3 5 17 195 171 5 12 15 151 4 51	16.6 3.6 NR NR 1.63 1 70.1 8 21.1	1.6 0.405 NR NR 0.174 0.174 12.3 1.5 2.6	0.000 0.080 0.199 0.000 0.014 0.000 0.000 0.033 0.000 0.684 1.402 0.000 0.480 0.000 0.338 0.000	0.000 0.004 0.019 0.000 0.000 0.000 0.000 0.000 0.119 0.246 0.000 0.090 0.090 0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
							
	INDICATOR, PRESSURE	MIR	42			0.000	0.000
001506526	CLOCK, PANEL	NORIS	31			0.000	0.000
001506526	CLOCK, PANEL	MIR	25	1.5	0.174	0.150	0.017
001655838	INDICATOR, ATTITUDE	NORIS	13	70.1	12.3	3.645	0.640
001655838	INDICATOR, ATTITUDE	MIR	142			0.000	0.000
001688308	INDICATOR, BEARING-D	NORIS	1	50	2.6	0.200	0.010
001688308	INDICATOR, BEARING-D	MIR	11			0.000	0.000
001792655	INDICATOR, ATTITUDE	NORIS	2	70.1	12.3	0.561	0.098
001792655	INDICATOR, ATTITUDE	MIR	21			0.000	0.000
001795086	ALTIMETER, SERVO CON	NORIS	3	8	1.5	0.096	0.018
001795086	ALTIMETER, SERVO CON	MIR	52			0.000	0.000
	ALTIMETER, PRESSURIZ		1			0.000	0.000
	ALTIMETER, PRESSURIZ		2	0.5	0.115	0.004	0.001
	CLOCK, AIRCRAFT, MECH	NORIS	19	1	0.087	0.076	0.007
	CLOCK, AIRCRAFT, MECH		65			0.000	0.000
	ALTIMETER, ENCODER	NORIS	18			0.000	0.000
	ALTIMETER, ENCODER	MIR	1	8	0.521	0.032	0.002
	INDICATOR, VERTICAL	NORIS	2			0.000	0.000
	INDICATOR, VERTICAL	MIR	1	5	0.231	0.020	0.001
	INDICATOR, POSITION	NORIS	1	3.5	0.289	0.014	0.001
	INDICATOR, POSITION	MIR	2			0.000	0.000
	INDICATOR, ELECTRICA		4	2.6	0.347	0.042	0.006
	INDICATOR, ELECTRICA		20			0.000	0.000
005887611	•	NORIS	2	1	0.087	0.008	0.001
005887611	CLOCK	MIR	9			0.000	0.000
007935794	CLOCK, AIRCRAFT, MECH	NORIS	3			0.000	0.000
	CLOCK, AIRCRAFT, MECH		1	1	0.087	0.004	0.000
	CLOCK, AIRCRAFT, MECH		8			0.000	0.000
	CLOCK, AIRCRAFT, MECH		3	1	0.087	0.012	0.001
	CLOCK, PANEL	NORIS	18			0.000	0.000
	CLOCK, PANEL	MIR	10	1.5	0.174	0.060	0.007
	INDICATOR, BEARING	NORIS	1	50	2.6	0.200	0.010
	INDICATOR, BEARING	MIR	9			0.000	0.000
	ALTIMETER, SERVO CON	NORIS	8	8	1.5	0.256	0.048
	ALTIMETER, SERVO CON		28			0.000	0.000
	INDICATOR, BEARING	NORIS	7	50	2.6	1.400	0.073
	INDICATOR, BEARING	MIR	4			0.000	0.000
	INDICATOR, TURN AND	NORIS	10	4	0.174	0.160	0.007
009123572	INDICATOR, TURN AND	MIR	63			0.000	0.000
009680612	INDICATOR, POSITION	NORIS	1	3.5	0.289	0.014	0.001
009680612	INDICATOR, POSITION	MIR	2			0.000	0.000
009834383			ī	23.8	2.4	0.095	0.010
	TRANSMITTER, PRESSUR		4			0.000	0.000
	TRANSMITTER, PRESSUR		20			0.000	0.000
	TRANSMITTER, PRESSUR		1	6	0.289	0.024	0.001
	INDICATOR, ANGLE OF	NORIS	1	21.1	2.6	0.084	0.010
	INDICATOR, ANGLE OF	MIR	55	- · -		0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	TWA	ACU
011473098	INDICATOR, BEARING-D	NORTS	7	50	2.6	1.400	0.073
	INDICATOR, BEARING-D		15	30	2.0	0.000	0.000
	INDICATOR, ATTITUDE	NORIS	1	70.1	12.3	0.280	0.049
	INDICATOR, ATTITUDE	MIR	16	, , , ,	1215	0.000	0.000
	INDICATOR BEARING-D		6	2	0.231	0.048	0.006
	INDICATOR BEARING-D		10	_		0.000	0.000
	CLOCK, PANEL	NORIS	18	1.5	0.174	0.108	0.013
	CLOCK, PANEL	MIR	18			0.000	0.000
	•						
	AVERAGE TRANSFERED	PER DAY	Y:			12.558	1.695
MODY CENT	ED COD						
WORK CENT	ER 62D BATTERY,STORAGE	NORIS	245	3.6	0.231	3.528	0.226
	BATTERY, STORAGE	MIR	519	3.0	0.231	0.000	
010270700	DATTERT, STORAGE	HIK	317				
	AVERAGE TRANSFERED	PER DAY	Y:			3.528	0.226
WORK CENT			_				
	CIRCUIT CARD ASSEMB		3	0.75	0.115		0.001
	CIRCUIT CARD ASSEMB		6			0.000	0.000
	REGULATOR, VOLTAGE	NORIS	22	20.2	0.779	0.000 0.646	0.000
	REGULATOR, VOLTAGE EXCITER ASSY	MIR	8 3	45.2	4.7		0.025 0.056
	EXCITER ASSY	NORIS MIR	3 7	45.2	4./	0.000	0.000
	POWER SUPPLY	NORIS	3			0.000	0.000
	POWER SUPPLY	MIR	2	6	0.405		0.003
	REGULATOR, VOLTAGE	NORIS	1	1.5			0.000
	REGULATOR, VOLTAGE	MIR	10	1.5	0.007	0.000	
	PANEL ASSEMBLY	NORIS	5			0.000	
	PANEL ASSEMBLY	MIR	23	39.8	4.6		0.423
	GENERATOR, ALTERNATI		2	166	7.4		0.059
	GENERATOR, ALTERNATI		22			0.000	0.000
	AVERAGE TRANSFERED	PER DAY	Y:			6.241	0.569
			- -			. — - —	
WORK CENT	ER 62F						
	POWER SUPPLY	NORIS	3			0.000	0.000
	POWER SUPPLY	MIR	1	42.7	4.6	0.171	0.018
	INERTIAL MEASURING	NORIS	3	111	18.2	1.332	0.218
	INERTIAL MEASURING	MIR	3			0.000	0.000
	POWER SUPPLY	NORIS	32	42.7	4.6	5.466	0.589
	POWER SUPPLY	MIR	115			0.000	0.000
	GIMBAL ASSEMBLY	NORIS	34	100	18.2	13.600	2.475
	GIMBAL ASSEMBLY	MIR	140			0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
	COMPUTER, AIR NAVIGA					0.000	0.000
	COMPUTER, AIR NAVIGA		112			71.232	13.485
	INERTIAL MEASURING		239	111	18.2	106.116	17.399
	INERTIAL MEASURING		583			0.000	0.000
	TEST SET, NAVIGATION		3			0.000	0.000
	TEST SET, NAVIGATION		1	93	4.7		0.019
	INERTIAL MEASUREMEN		1	_		0.000	0.000
	INERTIAL MEASUREMEN		7	2	0.779		0.022
	CIRCUIT CARD ASSEMB		1	_		0.000	0.000
	CIRCUIT CARD ASSEMB		2	2	0.231		
	COMPUTER, AIR NAVIGA		3	91.8	11		
012168096	COMPUTER, AIR NAVIGA	MIR	5			0.000	0.000
	AVERAGE TRANSFERED	PER DA	Y :			199.462	34.359
WORK CENT	FD 640						
	INDICATOR, AZIMUTH	NORIS	7	10	0.521	0.280	0.015
	INDICATOR, AZIMUTH	MIR	1	10	0.521	0.000	0.000
	PROGRAMMER ASSY	NORIS		8	1.3	0.224	0.036
	PROGRAMMER ASSY	MIR	25	0	1.5	0.000	0.000
	HOUSING, DISPENSER	NORIS		7.6	1.2	0.061	0.010
	HOUSING, DISPENSER	MIR	2	7.0	1.2	0.000	0.000
	HOUSING, DISPENSER	NORIS	1	7.6	1.2	0.030	0.005
	HOUSING, DISPENSER	MIR	29	7.0	1.2	0.000	0.000
	DISPENSER, COUNTERME		1	13	0.636	0.052	0.003
	DISPENSER, COUNTERME		41		0.050	0.000	0.000
	AVERAGE TRANSFERED	PER DA	Y :			0.647	0.068
WORK CENT							
	CSIU ASSEMBLY	NORIS	1	NR	NR	0.000	0.000
LLR948021	CSIU ASSEMBLY	MIR	5	NR	NR	0.000	0.000
	AVERAGE TRANSFERED	PER DA	Y:			0.000	0.000
WORK CENT	FD 65D						
	TRANSLATOR, SIGNAL D	NORTS	4	5	0.347	0.080	0.006
	TRANSLATOR, SIGNAL D		i	•		0.000	0.000
	TRANSLATOR, SIGNAL D		5			0.000	0.000
	TRANSLATOR, SIGNAL D		2	3.7	0.347	0.030	0.003
	SYNTHESIZER, ELECTRI		5		·	0.000	0.000
	SYNTHESIZER, ELECTRI		2	4.5	0.521	0.036	0.004
	CIRCUIT CARD ASSEMB		10			0.000	0.000
	CIRCUIT CARD ASSEMB		4	3	0.347	0.048	0.006

NIIN	NOMEN	AIMD	PROC	WT	CU	TWA	ACU
		-					
	AMPLIFIER, RADIO FRE					0.000	0.000
	AMPLIFIER, RADIO FRE		21	60.7	5.3	5.099	0.445
	AMPLIFIER ASSEMBLY	NORIS	3			0.000	0.000
	AMPLIFIER ASSEMBLY	MIR	2	12	2	0.096	0.016
010064141	AMPLIFIER ASSEMBLY	NORIS	16			0.000	0.000
	AMPLIFIER ASSEMBLY	MIR	3	2.34	0.347		0.004
	CIRCUIT CARD ASSY	NORIS	1	3.2	0.347	0.013	0.001
010094247	CIRCUIT CARD ASSY	MIR	1			0.000	0.000
	AVERAGE TRANSFERED	PER DA	Y:		•	5.429	0.485
WORK CENT			• •				
	TRANSPORT, MAGNETIC		30			0.000	0.000
	TRANSPORT, MAGNETIC	MIR	17		10.4		0.707
	CIRCUIT CARD ASSEMB		2	2.6	0.347		0.003
	CIRCUIT CARD ASSEMB		4	•		0.000	0.000
	CIRCUIT CARD ASSEMB		2	2.6	0.347		0.003
	CIRCUIT CARD ASSEMB		3	_		0.000	0.000
	MODULATOR-AMPLIFIER		1	5	0.521	0.020	0.002
	MODULATOR-AMPLIFIER		3			0.000	0.000
	OSCILLATOR, LOW FREQ		1	15	2	0.060	0.008
	OSCILLATOR, LOW FREQ		1			0.000	0.000
	GENERATOR, PULSE	NORIS	1	5	0.524	0.020	0.002
	GENERATOR, PULSE	MIR	1			0.000	0.000
	POWER SUPPLY	NORIS	2	90	15.3	0.720	0.122
	POWER SUPPLY	MIR	7			0.000	0.000
	OSCILLOSCOPE	NORIS	1			0.000	0.000
	OSCILLOSCOPE	MIR	1	90	15.3	0.360	0.061
001667552	CIRCUIT CARD ASSEMB	NORIS	1	2.6	0.347	0.010	0.001
001667552	CIRCUIT CARD ASSEMB	MIR	3			0.000	0.000
001667569	CIRCUIT CARD ASSEMB	NORIS	3	2.6	0.347	0.031	0.004
001667569	CIRCUIT CARD ASSEMB	MIR	4			0.000	0.000
	CIRCUIT CARD ASSEMB		2	1	0.087	0.008	0.001
001682636	CIRCUIT CARD ASSEMB	MIR	1			0.000	0.000
001685200	CIRCUIT CARD ASSEMB	NORIS	3	2.6	0.347	0.031	0.004
001685200	CIRCUIT CARD ASSEMB	MIR	1			0.000	0.000
001685202	CIRCUIT CARD ASSEMB	NORIS	1	2.6	0.347	0.010	0.001
	CIRCUIT CARD ASSEMB		2			0.000	0.000
001685205	CIRCUIT CARD ASSEMB	NORIS	1	2.6	0.347	0.010	0.001
001685205	CIRCUIT CARD ASSEMB	MIR	2			0.000	0.000
	CIRCUIT CARD ASSEMB		6			0.000	0.000
	CIRCUIT CARD ASSEMB		3	2.6	0.347	0.031	0.004
	CIRCUIT CARD ASSEMB		2			0.000	0.000
	CIRCUIT CARD ASSEMB		1	2.6	0.347	0.010	0.001
	CIRCUIT CARD ASSEMB		2		- -	0.000	0.000
	CIRCUIT CARD ASSEMB		ī	2.6	0.347	0.010	0.001
_			_				

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
010446738	INTERVAL METER ASSE	NORTS	14	135	15.3	7.560	0.857
	INTERVAL METER ASSE		19	100	10.0	0.000	0.000
	CONTROL SWITCH	NORIS	3	NR	NR	0.000	0.000
	CONTROL SWITCH	MIR	9	NR	NR	0.000	0.000
	SWITCH ASSY	NORIS		NR	NR	0.000	0.000
	SWITCH ASSY	MIR	8	NR	NR	0.000	0.000
	SERVO ANAYLYZER	NORIS	4			0.000	0.000
	SERVO ANAYLYZER	MIR	1	5	0.706	0.020	0.003
LLR952044	PRGM DIGITAL READ 0	NORIS	14	NR	NR	0.000	0.000
LLR952044	PRGM DIGITAL READ 0	MIR	15	NR	NR	0.000	0.000
LLR952046	GENERATOR PULSE	NORIS	13	NR	NR	0.000	0.000
LLR952046	GENERATOR PULSE	MIR	21	NR	NR	0.000	0.000
LLR952049	DIGITAL SUB-ASSY	NORIS	13	NR	NR	0.000	0.000
LLR952049	DIGITAL SUB-ASSY	MIR	32	NR	NR	0.000	0.000
LLR952057	DC POWER SUPPLY	NORIS	8	100	11.2	3.200	0.358
LLR952057	DC POWER SUPPLY	MIR	14			0.000	0.000
LLR952064	AC POWER SUPPLY	NORIS	3	NR	NR	0.000	0.000
LLR952064	AC POWER SUPPLY	MIR	3	NR	NR	0.000	0.000
LLR952080	RF MEASURE AUGMENTR	NORIS	13	NR	NR	0.000	0.000
LLR952080	RF MEASURE AUGMENTR	MIR	2	NR	NR	0.000	0.000
	THE SAC MENTAGER SAC						
	AVERAGE TRANSFERED I	PER DA	Y :			17.602	2.147
WORK CENT	FD 659						
	MULTIMETER, DIGITAL	NORIS	2	NR	NR	0.000	0.000
	MULTIMETER, DIGITAL	MIR	ī	NR	NR	0.000	0.000
	CIRCUIT CARD ASSEMB		ī		0.347	0.010	0.001
	CIRCUIT CARD ASSEMB		2	2.0	0.0.7	0.000	0.000
	MULTIMETER, DIGITAL	NORIS	23	100	15.3	9.200	1.408
	MULTIMETER, DIGITAL	MIR	33			0.000	0.000
	POWER SUPPLY	NORIS	1	25	2.4	0.100	0.010
	POWER SUPPLY	MIR	4		_,_	0.000	0.000
	SIGNAL GENERATOR SU		4	301	37.9	4.816	0.606
	SIGNAL GENERATOR SU		14			0.000	0.000
	GENERATOR DELAY	NORIS	4	NR	NR	0.000	0.000
	GENERATOR DELAY	MIR	12	NR	NR	0.000	0.000
	SIGNAL GENERATOR	NORIS	5	NR	NR	0.000	0.000
	SIGNAL GENERATOR	MIR	12	NR	NR	0.000	0.000
	SIGNAL GENERATOR	NORIS	7	NR	NR	0.000	0.000
	SIGNAL GENERATOR	MIR	6	NR	NR	0.000	0.000
	SERVO ANALYZER	NORIS	3	5	0.706	0.060	0.008
	SERVO ANALYZER	MIR	6			0.000	0.000
	SYNCHRO RESOLVER ST		9	NR	NR	0.000	0.000
	SYNCHRO RESOLVER ST		11	NR	NR	0.000	0.000
	PHASE SENSITIVE	NORIS	4	NR	NR	0.000	0.000
	PHASE SENSITIVE	MIR	16	NR	NR	0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
			_				
	PRESSURE GENERATOR	NORIS	3	NR	NR	0.000	0.000
	PRESSURE GENERATOR	MIR	3	NR	NR	0.000	0.000
	FUNCTION GENERATOR	NORIS	4	NR	NR	0.000	0.000
	FUNCTION GENERATOR	MIR	20	NR	NR	0.000	0.000
	LOW FREQ WAVE ANALY		6	NR	NR	0.000	0.000
	LOW FREQ WAVE ANALY	MIR	3	NR	NR	0.000	0.000
LLR952048	RMS GENERATOR	NORIS	56	NR	NR	0.000	0.000
LLR952048	RMS GENERATOR	MIR	71	NR	NR	0.000	0.000
LLR952053	ANALYZER, LOW FREQUE	NORIS	5			0.000	0.000
LLR952053	ANALYZER, LOW FREQUE	MIR	2	198	20.5	1.584	0.164
LLR952054	RATIO TRANSFORMER	NORIS	3	NR	NR	0.000	0.000
LLR952054	RATIO TRANSFORMER	MIR	3	NR	NR	0.000	0.000
LLR952056	DC POWER SUPPLY	NORIS	12	NR	NR	0.000	0.000
LLR952056	DC POWER SUPPLY	MIR	5	NR	NR	0.000	0.000
LLR952066	PRECISION RESISTIVE	NORIS	3	NR	NR	0.000	0.000
	PRECISION RESISTIVE		8	NR	NR	0.000	0.000
	AVERAGE TRANSFERED I	PER DA	Y:			15.770	2.197
WORK CENT	ER 670						
000013733	WRENCH, TORQUE	NORIS	79	NR	NR	0.000	0.000
000013733	WRENCH, TORQUE	MIR	6	NR	NR	0.000	0.000
000031443	TEST SET, RADAR	NORIS	1	101	8.6	0.404	0.034
	TEST SET, RADAR	MIR	15			0.000	0.000
	TEST SET, BENCH	NORIS	3	70.1	10	0.841	0.120
	TEST SET, BENCH	MIR	14			0.000	0.000
	MULTIMETER	NORIS	7	NR	NR	0.000	0.000
	MULTIMETER	MIR	11	NR	NR	0.000	0.000
000181504		NORIS	1	77.1	5.4	0.308	0.022
000181504		MIR	ī	, , , .	3.1	0.000	0.000
000201366	1201 021	NORIS	6	NR	NR	0.000	0.000
000201366		MIR	6	NR	NR	0.000	0.000
	CALIBRATOR, COMPASS	NORIS	1		0.579	0.024	0.002
	CALIBRATOR, COMPASS	MIR	2	Ū	0.5/5	0.000	0.000
000520300	•	NORIS	6			0.000	0.000
000533073		MIR	3	3	0.231	0.036	0.003
	OSCILLOSCOPE			3	0.231	0.000	0.000
		NORIS	3	22.2	6 2		
	OSCILLOSCOPE	MIR	1	32.3	6.3	0.129	0.025
	LOAD BANK, POWER SUP		1	6	0.926	0.024	0.004
	LOAD BANK, POWER SUP		4	~~	1 0	0.000	0.000
	FREQUENCY MEASURING		1	25	1.3	0.100	0.005
	FREQUENCY MEASURING		1	 -		0.000	0.000
	TEST SET, DIRECTION	NORIS	1	71.5	9.1	0.286	0.036
	TEST SET, DIRECTION	MIR	2		_	0.000	0.000
	TEST SET, SIMULATOR	NORIS	2	70.1	2.9	0.561	0.023
000871227	TEST SET, SIMULATOR	MIR	7			0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	TWA	ACU
000894977	TEST SET, DATA LINK	NORIS	4	81.7	4.2	1.307	0.067
000894977	TEST SET, DATA LINK	MIR	14	020,		0.000	0.000
	ANALYZER, JET CALIBR		4			0.000	0.000
	ANALYZER, JET CALIBR		2	150	17	1.200	0.136
	SERVICING-UNIT NIT	NORIS	5	2664	277	53.280	5.540
	SERVICING-UNIT NIT	MIR	7			0.000	0.000
	ELECTRON TUBE	NORIS	7	NR	NR	0.000	0.000
	ELECTRON TUBE	MIR	3	NR	NR	0.000	0.000
	TIRE INFLATOR ASSEM		3	10	0.706	0.120	0.008
	TIRE INFLATOR ASSEM		258			0.000	0.000
	GENERATOR, SIGNAL	NORIS	16	NR	NR	0.000	0.000
	GENERATOR, SIGNAL	MIR	2	NR	NR	0.000	0.000
	TEST SET, TRANSPONDE		79			0.000	0.000
	TEST SET, TRANSPONDE		74	50.7	2.9	15.007	0.858
	PLUG-IN UNIT, ELECTR		1	5	0.405	0.020	0.002
	PLUG-IN UNIT, ELECTR		5			0.000	0.000
001405137	MEMORY FILL UNIT	NORIS	5	310	17.4	6.200	0.348
001405137	MEMORY FILL UNIT	MIR	6			0.000	0.000
001413558	OHMMETER	NORIS	9	10	0.779	0.360	0.028
001413558	OHMMETER	MIR	11			0.000	0.000
001521997	TEST SET, FIRE CONTR	NORIS	77	35.6	2.2	10.965	0.678
001521997	TEST SET, FIRE CONTR	MIR	105			0.000	0.000
001522541	GENERATOR, PHASE	NORIS	1	57.9	4.5	0.232	0.018
001522541	GENERATOR, PHASE	MIR	2			0.000	0.000
001560607		NORIS	1	NR	NR	0.000	0.000
001560607		MIR	1	NR	NR	0.000	0.000
001598801	TEST SET, COMPUTER	NORIS	23	NR	NR	0.000	0.000
001598801	TEST SET, COMPUTER	MIR	14	NR	NR	0.000	0.000
001601301	MULTIMETER	NORIS	3	NR	NR	0.000	0.000
001601301	MULTIMETER	MIR	3	NR	NR	0.000	0.000
001646551	TEST SET, TRANSPONDE	NORIS	1	43	3.2	0.172	0.013
001646551	TEST SET, TRANSPONDE	MIR	3			0.000	0.000
001691698	TEST SET, INTERROGAT	NORIS	19	90	4.2	6.840	0.319
001691698	TEST SET, INTERROGAT	MIR	47			0.000	0.000
001777065	WRENCH, TORQUE	NORIS	8	NR	NR	0.000	0.000
001777065	WRENCH, TORQUE	MIR	1	NR	NR	0.000	0.000
001812271	TEST SET, RADIO	NORIS	1	64.9	6.7	0.260	0.027
001812271	TEST SET, RADIO	MIR	2			0.000	0.000
001869308	TRANSFORMER, POWER	NORIS	1	NR	NR	0.000	0.000
	TRANSFORMER, POWER	MIR	1	NR	NR	0.000	0.000
	PLUG-IN UNIT, ELECTR		3	3.5	0.405	0.042	0.005
	PLUG-IN UNIT, ELECTR		4			0.000	0.000
	INDICATOR, DIAL	NORIS	1	NR	NR	0.000	0.000
	INDICATOR, DIAL	MIR	1	NR	NR	0.000	0.000
	SEPVICING UNIT, NITR		5	764	150	15.280	3.000
	SERVICING UNIT, NITR		16			0.000	0.000
002282201	OSCILLOSCOPE	NORIS	24	50	2.7	4.800	0.259

NIIN	NOMEN	AIMD	PROC	WT	CU	TWA	ACU
000000001	000111000000	WTD	24			0.000	0.000
	OSCILLOSCOPE	MIR	74	4 5	0 115	0.000	0.000
	PLUG-IN UNIT, ELECTR		1	4.5	0.115	0.018	0.000
	PLUG-IN UNIT, ELECTR		5			0.000	0.000
	WRENCH, TORQUE	NORIS	4	NR	NR	0.000	0.000
	WRENCH, TORQUE	MIR	1	NR	NR	0.000	0.000
	BRIDGE, CAPACITANCE-		1	NR	NR	0.000	0.000
	BRIDGE, CAPACITANCE-		1	NR	NR	0.000	0.000
	MULTIMETER	NORIS	2	5.2	0.405	0.042	0.003
	MULTIMETER	MIR	2	*T	375	0.000	0.000
	WRENCH, TORQUE	NORIS	1	NR	NR	0.000	0.000
	WRENCH, TORQUE	MIR	1	NR	NR	0.000	0.000
	TEST SET, ARMAMENT W		17	54 A	2 6	0.000	0.000
	TEST SET, ARMAMENT W		1	74.2	3.6	0.297	0.014
	PLUG-IN UNIT, ELECTR		2	3.2	0.289	0.026	0.002
	PLUG-IN UNIT, ELECTR		4			0.000	0.000
002636436		NORIS	9	NR	NR	0.000	0.000
002636436		MIR	2	NR	NR	0.000	0.000
	PLUG-IN UNIT, ELECTR		1	4	0.231	0.016	0.001
	PLUG-IN UNIT, ELECTR		1		•••	0.000	0.000
	BOLT, MACHINE	NORIS	3	NR	NR	0.000	0.000
	BOLT, MACHINE	MIR	1	NR	NR	0.000	0.000
	GENERATOR, SIGNAL	NORIS	5	NR	NR	0.000	0.000
	GENERATOR, SIGNAL	MIR	2	NR	NR	0.000	0.000
	MULTIMETER	NORIS	2 2	5	0.289	0.040	0.002
	MULTIMETER	MIR	1	20	0 026	0.000	0.000
	TEST SET, OSCILLATOR		1	20	0.926	0.080 0.000	0.004 0.000
	TEST SET, OSCILLATOR		3	MD	MD	0.000	0.000
	TEST SET, AIRCRAFT E		2	NR NR	NR ND	0.000	0.000
	TEST SET, AIRCRAFT E PIN, QUICK RELEASE		1	NR NR	NR ND	0.000	0.000
	PIN, QUICK RELEASE	NORIS	2	NR NR	NR NR	0.000	0.000
	OSCILLOSCOPE	MIR NORIS	2	NR NR	NR NR	0.000	0.000
	OSCILLOSCOPE	MIR	2	NR NR	NR	0.000	0.000
	VALVE, SAFETY RELIEF		2	MX	MK	0.000	0.000
	VALVE, SAFETY RELIEF		1	1.25	0.046	0.005	0.000
	CLEVIS, ROD END	NORIS	1	0.13	0.009	0.003	0.000
	CLEVIS, ROD END	MIR	3	0.13	0.009	0.000	0.000
	GENERATOR, PULSE	NORIS	2	NR	NR	0.000	0.000
	GENERATOR, PULSE	MIR	1	NR NR	NR NR	0.000	0.000
	TEST SET, PRESSURE T		53	147	15.3	31.164	3.244
	TEST SET, PRESSURE T		147	14/	19.3	0.000	0.000
	POWER SUPPLY	NORIS	2	30.1	1.6	0.000	0.003
	POWER SUPPLY	MIR	2	20.I	1.0	0.000	0.000
	VOLTMETER	NORIS	2	NR	NR	0.000	0.000
	VOLIMETER	MIR	2	NR NR	NR NR	0.000	0.000
	TEST SET, SYNCHRO	NORIS	1	17.7	1.2	0.000	0.005
	TEST SET, SYNCHRO	MIR	2	1/+/	1.2	0.000	0.000
22220100	THE DUIT OF THE INC.	LITI	2			J. J. J. J	3.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
005633650	TENSIOMETER DIAL IN	NORTS	36	NR	NR	0.000	0.000
	TENSIOMETER DIAL IN		8	NR	NR	0.000	0.000
	TESTER, EXHAUST GAS	NORIS	1	150	17	0.600	0.068
005653685	•	MIR	2	400	-	0.000	0.000
	TESTER, SPRING RESIL		3	NR	NR	0.000	0.000
	TESTER, SPRING RESIL		14	NR	NR	0.000	0.000
	TESTER, PRESSURE GAG		15			0.000	0.000
	TESTER, PRESSURE GAG		1	50.7	1.1	0.203	0.004
	MULTIMETER	NORIS	2	5.2	0.405	0.042	0.003
	MULTIMETER	MIR	2			0.000	0.000
006845438	METER, AUDIO LEVEL	NORIS	8	NR	NR	0.000	0.000
	METER, AUDIO LEVEL	MIR	7	NR	NR	0.000	0.000
	VALVE, PRESSURE, ANTI	NORIS	1			0.000	0.000
	VALVE, PRESSURE, ANTI		1	1	0.115	0.004	0.000
007274695	VOLTMETER, ELECTRONI	NORIS	4	NR	NR	0.000	0.000
007274695	VOLTMETER, ELECTRONI	MIR	2	NR	NR	0.000	0.000
007274706	VOLTMETER	NORIS	10	12.5	1.3	0.500	0.052
007274706	VOLTMETER	MIR	11			0.000	0.000
007581162	GAGE, PRESSURE	NORIS	72	NR	NR	0.000	0.000
	GAGE, PRESSURE	MIR	16	NR	NR	0.000	0.000
007610936	BAG, URINE COLLECTIO	NORIS	3	NR	N R	0.000	0.000
007610936	BAG, URINE COLLECTIO	MIR	6	NR	NR	0.000	0.000
007739762	TEST SET, POWER SUPP	NORIS	1	25	2.1	0.100	0.008
007739762	TEST SET, POWER SUPP	MIR	8			0.000	0.000
007880311	GENERATOR, PULSE	NORIS	1	NR	NR	0.000	0.000
	GENERATOR, PULSE	MIR	1	NR	NR	0.000	0.000
	TEST SET, INDICATOR	NORIS	5			0.000	0.000
	TEST SET, INDICATOR	MIR	1	27	1.9	0.108	0.008
	CALIPER, MICROMETER,		10	NR	NR	0.000	0.000
	CALIPER, MICROMETER,		9	NR	NR	0.000	0.000
	STROBOSCOPE	NORIS	4			0.000	0.000
	STROBOSCOPE	MIR	3	3	0.174	0.036	0.002
	TESTER, TACHOMETER	NORIS	18			0.000	0.000
	TESTER, TACHOMETER	MIR	5	3	0.174	0.060	0.003
	TEST SET, RADIO	NORIS	56			0.000	0.000
008033399	•	MIR	8	5	0.231	0.160	0.007
	SCALE, WEIGHING	NORIS	5	NR	NR	0.000	0.000
008129959		MIR	1	NR	NR	0.000	0.000
008255119		NORIS	1	NR	NR	0.000	0.000
008255119	•	MIR	2	NR	NR	0.000	0.000
008398722		NORIS	9	26	3.3	0.936	0.119
008398722		MIR	19			0.000	0.000
008490663	•	NORIS	1	NR	NR	0.000	0.000
008490663	•	MIR	1	NR	NR	0.000	0.000
008518753	•	NORIS	1	25	4.6	0.100	0.018
008518753	• • • • • • • • • • • • • • • • • • •	MIR	10	~~	4 6	0.000	0.000
008518754	INDICATOR ASSEMBLY,	NORIS	2	27	4.2	0.216	0.034

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
		 VTMD		 M T			ACU
008518754	INDICATOR ASSEMBLY,	MIR	3			0.000	0.000
008597910	•	NORIS	1	NR	NR	0.000	0.000
008597910		MIR	6	NR	NR	0.000	0.000
008885119	PREOILER	NORIS	44			0.000	0.000
008885119	PREOILER	MIR	21	41.1	4.3	3.452	0.361
008913616	TEST SET, ELECTRONIC	NORIS	6	54.7	3	1.313	0.072
008913616	TEST SET, ELECTRONIC	MIR	11			0.000	0.000
	TRAILER, COMPRESSED	NORIS	1	2664	277	10.656	1.108
009087451	TRAILER, COMPRESSED	MIR	9			0.000	0.000
009173099	TEST SET, RADIO FREQ	NORIS	1	7	0.706	0.028	0.003
009173099	TEST SET, RADIO FREQ	MIR	1			0.000	0.000
009306637	OSCILLOSCOPE	NORIS	2	NR	NR	0.000	0.000
009306637	OSCILLOSCOPE	MIR	31	NR	NR	0.000	0.000
009316793	POWER SUPPLY	NORIS	1	NR	NR	0.000	0.000
009316793	POWER SUPPLY	MIR	1	NR	NR	0.000	0.000
009318361	WRENCH, TORQUE	NORIS	32	NR	NR	0.000	0.000
	WRENCH, TORQUE	MIR	1	NR	NR	0.000	0.000
009336310	TEST STAND, HYDRAULI	NORIS	2	NR	NR	0.000	0.000
009336310	TEST STAND, HYDRAULI	MIR	2	NR	NR	0.000	0.000
009424224	•	NORIS	18	NR	NR	0.000	0.000
009424224		MIR	4	NR	NR	0.000	0.000
009428283	TEST SET, FLIGHT CON	NORIS	2	103	10.6	0.824	0.085
009428283	TEST SET, FLIGHT CON	MIR	2			0.000	0.000
009428284	TEST SET, FLIGHT CON	NORIS	2	80.1	10.2	0.641	0.082
009428284	TEST SET, FLIGHT CON	MIR	4			0.000	0.000
	CALIBRATION SET, COM		3	340	33.7	4.080	0.404
009445766	CALIBRATION SET, COM	MIR	15			0.000	0.000
	TEST SET, TRANSPONDE		21			0.000	0.000
	TEST SET, TRANSPONDE		1	50.7	2.9	0.203	0.012
009570393	TEST SET, ELECTRICAL	NORIS	20	NR	NR	0.000	0.000
	TEST SET, ELECTRICAL	MIR	4	NR	NR	0.000	0.000
009589155		NORIS	2	NR	NR	0.000	0.000
009589155		MIR	1	NR	NR	0.000	0.000
	TEST SET, FUEL SYSTE		13	46.1	5.1	2.397	0.265
	TEST SET, FUEL SYSTE		91			0.000	0.000
009629504		NORIS	20	NR	NR	0.000	0.000
009629504		MIR	1	NR	NR	0.000	0.000
	MULTIMETER	NORIS	9			0.000	0.000
	MULTIMETER	MIR	5	20	3.2	0.400	0.064
	FREQUENCY MEASURING		3	57.9	3.3	0.695	0.040
	FREQUENCY MEASURING		7			0.000	0.000
	VALVE, LINEAR, DIRECT		3	NR	NR	0.000	0.000
	VALVE, LINEAR, DIRECT		3	NR	NR	0.000	0.000
	TRANSISTOR	NORIS	1	NR	NR	0.000	0.000
	TRANSISTOR	MIR	1	NR	NR	0.000	0.000
	VALVE, PNEUMATIC TIR		1	NR	NR	0.000	0.000
009950161	VALVE, PNEUMATIC TIR	MIR	1	NR	NR	0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
						~~~~	
	VOLTMETER	NORIS	8			0.000	0.000
	VOLTMETER	MIR	5	11.1	0.845	0.222	0.017
009974269		NORIS	38	NR	NR	0.000	0.000
009974269		MIR	16	NR	NR	0.000	0.000
	MULTIMETER	NORIS	2	7	NR	0.056	0.000
	MULTIMETER	MIR	2			0.000	0.000
	TEST SET, CONTROL	NORIS	1	35.6	2.8	0.142	0.011
	TEST SET, CONTROL	MIR	2			0.000	0.000
		NORIS	5			0.000	0.000
	TEST SET, LINE MAINT	MIR	3	50	9.2	0.600	0.110
	CHARGER, BATTERY	NORIS	3	54.2	2.7	0.650	0.032
010087938	CHARGER, BATTERY	MIR	3			0.000	0.000
010100088	MULTIMETER	NORIS	4	6.9	0.706	0.110	0.011
010100088	MULTIMETER	MIR	9			0.000	0.000
010106783	PLUG-IN UNIT, ELECTR	NORIS	2	NR	NR	0.000	0.000
	PLUG-IN UNIT, ELECTR		1	NR	NR	0.000	0.000
010139900	TEST SET, RADIO	NORIS	12			0.000	0.000
010139900	TEST SET, RADIO	MIR	3	5	0.231	0.060	0.003
	INDICATOR, DIGITAL D		11			0.000	0.000
	INDICATOR, DIGITAL D		6	8	0.405	0.192	0.010
	VOLTMETER	NORIS	1	NR	NR	0.000	0.000
	VOLTMETER	MIR	4	NR	NR	0.000	0.000
	MULTIMETER	NORIS	103	NR	NR	0.000	0.000
	MULTIMETER	MIR	81	NR	NR	0.000	0.000
	LEAD, TEST	NORIS	2	NR	NR	0.000	0.000
	LEAD, TEST	MIR	2	NR	NR	0.000	0.000
	TEST SET, RADIO	NORIS	5	78.6	8.7	1.572	0.174
010258123	TEST SET, RADIO	MIR	8			0.000	0.000
	PLUG-IN, ELECTRONIC	NORIS	7	NR	NR	0.000	0.000
	PLUG-IN, ELECTRONIC	MIR	3	NR	NR	0.000	0.000
	SIGNAL GENERATOR-DE		2	32.3	1.4	0.258	0.011
	SIGNAL GENERATOR-DE		7	3213	2.4	0.000	0.000
	OSCILLOSCOPE	NORIS	11	38.1	4.3	1.676	0.189
	OSCILLOSCOPE	MIR	12	3011	4.5	0.000	0.000
	METER, MODULATION	NORIS	8			0.000	0.000
	METER, MODULATION	MIR	1	9	0.347	0.036	0.001
	WRENCH, TORQUE	NORIS	12	NR	NR	0.000	0.001
	WRENCH, TORQUE	MIR	2	NR	NR NR	0.000	0.000
	MAINFRAME, OSCILLOSC		3	NR NR	NR	0.000	0.000
	MAINFRAME, OSCILLOSC		1	NR NR	NR NR	0.000	
010374412			62	25	1.5	6.200	0.000 0.372
010374412	, – –		64	20	1.5	0.000	
	CHARGER, BATTERY	NORIS	8				0.000
	CHARGER, BATTERY			121	A =	0.000	0.000
	WRENCH, TORQUE	MIR	1	121 ND	4.5	0.484	0.018
010420983		NORIS	1	NR ND	NR NB	0.000	0.000
010420985	·	MIR	2 2	NR ND	NR ND	0.000	0.000
010430333	WENCH, TORQUE	NORIS	2	NR	NR	0.000	0.000

010450555   WRENCH, TORQUE	NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
OLOS20915   MULTIMETER								
OLOS20915   MULTIMETER	010450555	MDENCH MODOLLE	MTD	1	MID	רווג	0 000	0 000
0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.00								
D10592703 TEST SET,SYNCHROPHA NORIS   1 NR NR   0.000   0.000   0.000   0.0067885 WRENCH,TORQUE   MIR   49 NR NR   NR   0.000   0.000   0.00667885 WRENCH,TORQUE   MIR   49 NR   NR   NR   0.000   0.000   0.006010695598   POWER SUPPLY   NORIS   3								
0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.00								
OLOG67885   WRENCH, TORQUE								
0.0067885   NENCH, TORQUE   MIR   49								
0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.00								
O10695598 POWER SUPPLY					NR	NK		
O10703507   SEAL, CONICAL, FLARED   NORIS   2   NR					0.0	1 2		
OLIO703507   SEAL, CONICAL, FLARED MIR   1								
010742550   010742550   010742550   010742550   010742550   010742550   010742550   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   010742500   0107								
010742550   ANALYZER, SPECTRIM   MIR   1   46.1   2.3   0.184   0.009   010749102   STATOR, ENGINE GENER   MIR   5   NR   NR   0.000   0.000   0.000   010824330   SWITCH, PUSH   NORIS   3   NR   NR   0.000   0.000   010824330   SWITCH, PUSH   NORIS   3   NR   NR   0.000   0.000   010824330   SWITCH, PUSH   NORIS   3   NR   NR   0.000   0.000   010849665   PUMP UNIT, BREATHABL   NORIS   11   NR   NR   0.000   0.000   010849665   PUMP UNIT, BREATHABL   MIR   18   NR   NR   0.000   0.000   010904458   MULTIMETER, DIGITAL   NORIS   29   0.000   0.000   010904458   MULTIMETER, DIGITAL   NORIS   18   0.231   0.144   0.011   010904459   MULTIMETER, DIGITAL   NORIS   18   0.000   0.000   010904459   MULTIMETER, DIGITAL   NORIS   18   0.000   0.000   010923278   WRENCH, TORQUE   MIR   14   3   0.231   0.168   0.013   0.0932378   WRENCH, TORQUE   MIR   14   3   0.231   0.168   0.013   0.0937831   METER, MODULATION   NORIS   1   13   0.779   0.052   0.003   0.0937831   METER, MODULATION   NORIS   1   13   0.779   0.052   0.003   0.0947716   GENERATOR, FUNCTION   MIR   3   0.000   0.000   0.000   0.0960426   VOLTMETER   NORIS   1   NR   NR   0.000   0.000   0.0960426   VOLTMETER   NORIS   1   NR   NR   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.		•			NK	NR		
O10749102   STATOR, ENGINE GENER   NORIS   12   NR					46.3			
O10749102   STATOR, ENGINE GENER MIR   S		•						
010824330   SWITCH, PUSH   NORIS   3								
010824330   SWITCH, PUSH								
0.00849665   PUMP UNIT, BREATHABL   NORIS   11		•						
0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.00								
0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.00								
010904458   MULTIMETER, DIGITAL   MIR   12   3   0.231   0.144   0.011					NR	NR		
0.009   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.00		· · · · · · · · · · · · · · · · · · ·			_			
010904459   MULTIMETER, DIGITAL   MIR   14   3   0.231   0.168   0.013					3	0.231		
010923278   WRENCH, TORQUE   MIR   5   NR   NR   0.000   0.000								
010923278         WRENCH, TORQUE         MIR         5         NR         NR         0.000         0.000           010937831         METER, MODULATION         NORIS         1         13         0.779         0.052         0.003           010947716         GENERATOR, FUNCTION         NORIS         4         16         0.706         0.256         0.011           010947716         GENERATOR, FUNCTION         MIR         4         0.000         0.000         0.000           010960426         VOLTMETER         NORIS         1         NR         NR         0.000         0.000           010982818         VOLTMETER         MIR         2         NR         NR         0.000         0.000           011092353         MOTOR DRIVE, CAMERA         NORIS         3         0.000         0.000           011092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           011100225         CALIPER, SLIDE, DIAME         NORIS         23         NR         NR         0.000         0.000           011104910         ALARM, GAS, AUTOMATIC         NORIS         1         52.2         7.9         2.506         0.379		•						
010937831         METER, MODULATION         NORIS         1         13         0.779         0.052         0.003           010937831         METER, MODULATION         MIR         3         0.000         0.000         0.000           010947716         GENERATOR, FUNCTION         MIR         4         16         0.706         0.256         0.011           010960426         VOLTMETER         NORIS         1         NR         NR         0.000         0.000           010982818         VOLTMETER         MIR         2         NR         NR         0.000         0.000           010982818         VOLTMETER         MIR         2         10         NR         0.000         0.000           011092353         MOTOR DRIVE, CAMERA         NORIS         16         NR         NR         0.000         0.000           011100225         CALIPER, SLIDE, DIAME         NORIS         23         NR         NR         0.000         0.000           011104910         ALARM, GAS, AUTOMATIC         NORIS         1         NR         NR         0.000         0.000           011178808         OHMETER         MIR         4         8         0.463         0.128         0.007								
010937831         METER, MODULATION         MIR         3         0.000         0.000           010947716         GENERATOR, FUNCTION         NORIS         4         16         0.706         0.256         0.011           010947716         GENERATOR, FUNCTION         MIR         4         0.000         0.000         0.000           010960426         VOLTMETER         NORIS         1         NR         NR         0.000         0.000           010982818         VOLTMETER         MIR         2         NR         NR         0.000         0.000           010982818         VOLTMETER         MIR         2         10         NR         0.080         0.000           011092353         MOTOR DRIVE, CAMERA         NORIS         16         NR         NR         0.000         0.000           011092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           011100225         CALIPER, SLIDE, DIAME         NORIS         23         NR         NR         0.000         0.000           011104910         ALARM, GAS, AUTOMATIC         NORIS         12         52.2         7.9         2.506         0.379 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
010947716         GENERATOR, FUNCTION         NORIS         4         16         0.706         0.256         0.011           010947716         GENERATOR, FUNCTION         MIR         4         0.000         0.000         0.000           010960426         VOLTMETER         NORIS         1         NR         NR         0.000         0.000           010982818         VOLTMETER         MIR         2         NR         NR         0.000         0.000           011092353         MOTOR DRIVE, CAMERA         NORIS         16         NR         NR         0.000         0.000           011092353         MOTOR DRIVE, CAMERA         NORIS         16         NR         NR         0.000         0.000           0111092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           0111092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           011100225         CALIPER, SLIDE, DIAME         MIR         1         NR         NR         NR         0.000         0.000           011104910         ALARM, GAS, AUTOMATIC         MIR         16         0.000         0.000					13	0.779		
010947716         GENERATOR, FUNCTION         MIR         4         0.000         0.000           010960426         VOLTMETER         NORIS         1         NR         NR         0.000         0.000           010960426         VOLTMETER         MIR         2         NR         NR         0.000         0.000           010982818         VOLTMETER         MIR         2         10         NR         0.080         0.000           011092353         MOTOR DRIVE, CAMERA         NORIS         16         NR         NR         0.000         0.000           011092353         MOTOR DRIVE, CAMERA         NORIS         16         NR         NR         0.000         0.000           011092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           0111092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           011100225         CALIPER, SLIDE, DIAME         NORIS         23         NR         NR         NR         0.000         0.000           011104910         ALARM, GAS, AUTOMATIC         NORIS         12         52.2         7.9         2.506         0.3			MIR					
010960426         VOLTMETER         NORIS         1         NR         NR         0.000         0.000           010960426         VOLTMETER         MIR         2         NR         NR         0.000         0.000           010982818         VOLTMETER         MIR         2         10         NR         0.080         0.000           011092353         MOTOR DRIVE, CAMERA         NORIS         16         NR         NR         0.000         0.000           011092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           0111092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           0111092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           0111092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           011100225         CALIPER, SLIDE, DIAME         NORIS         23         NR         NR         NR         0.000         0.000           011104910         ALARM, GAS, AUTOMATIC         MIR         16         0.000         0.000 <td></td> <td></td> <td></td> <td></td> <td>16</td> <td>0.706</td> <td></td> <td></td>					16	0.706		
010960426         VOLTMETER         MIR         2         NR         NR         0.000         0.000           010982818         VOLTMETER         NORIS         3         0.000         0.000           010982818         VOLTMETER         MIR         2         10         NR         0.080         0.000           011092353         MOTOR DRIVE, CAMERA         NORIS         16         NR         NR         0.000         0.000           0111092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           0111092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           0111092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           0111092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           011100225         CALIPER, SLIDE, DIAME         NORIS         23         NR         NR         NR         0.000         0.000           011104910         ALARM, GAS, AUTOMATIC         MIR         16         NORIS         18         0.000         0.000								
010982818       VOLTMETER       NORIS       3       0.000       0.000         010982818       VOLTMETER       MIR       2       10       NR       0.080       0.000         011092353       MOTOR DRIVE, CAMERA       NORIS       16       NR       NR       0.000       0.000         011092353       MOTOR DRIVE, CAMERA       MIR       1       NR       NR       0.000       0.000         011100225       CALIPER, SLIDE, DIAME       NORIS       23       NR       NR       0.000       0.000         011104910       ALARM, GAS, AUTOMATIC       NORIS       12       52.2       7.9       2.506       0.379         011104910       ALARM, GAS, AUTOMATIC       MIR       16       0.000       0.000       0.000         011178808       OHMMETER       NORIS       8       0.000       0.000         011178808       OHMMETER       MIR       4       8       0.463       0.128       0.007         011183679       WRENCH, TORQUE       NORIS       75       NR       NR       0.000       0.000         011210570       TENSIOMETER, DIAL IN       NORIS       1       NR       NR       0.000       0.000			NORIS					
010982818         VOLTMETER         MIR         2         10         NR         0.080         0.000           011092353         MOTOR DRIVE, CAMERA         NORIS         16         NR         NR         0.000         0.000           0111092353         MOTOR DRIVE, CAMERA         MIR         1         NR         NR         0.000         0.000           011100225         CALIPER, SLIDE, DIAME         NORIS         23         NR         NR         0.000         0.000           011104910         ALARM, GAS, AUTOMATIC         NORIS         12         52.2         7.9         2.506         0.379           011104910         ALARM, GAS, AUTOMATIC         MIR         16         0.000         0.000         0.000           011178808         OHMMETER         NORIS         8         0.000         0.000           011178808         OHMMETER         MIR         4         8         0.463         0.128         0.007           011183679         WRENCH, TORQUE         NORIS         75         NR         NR         0.000         0.000           011210570         TENSIOMETER, DIAL IN NORIS         1         NR         NR         0.000         0.000           011253775			MIR		NR	NR	0.000	
011092353       MOTOR DRIVE, CAMERA       NORIS       16       NR       NR       0.000       0.000         011092353       MOTOR DRIVE, CAMERA       MIR       1       NR       NR       0.000       0.000         011100225       CALIPER, SLIDE, DIAME       NIR       7       NR       NR       0.000       0.000         011104910       ALARM, GAS, AUTOMATIC       NORIS       12       52.2       7.9       2.506       0.379         011104910       ALARM, GAS, AUTOMATIC       MIR       16       0.000       0.000         011178808       OHMMETER       NORIS       8       0.463       0.128       0.007         011183679       WRENCH, TORQUE       NORIS       75       NR       NR       0.000       0.000         011183679       WRENCH, TORQUE       MIR       22       NR       NR       0.000       0.000         011210570       TENSIOMETER, DIAL IN NORIS       1       NR       NR       0.000       0.000         011253775       METER, IMPEDANCE       NORIS       1       NR       NR       0.000       0.000			NORIS				0.000	0.000
011092353 MOTOR DRIVE, CAMERA MIR 1 NR NR 0.000 0.000 011100225 CALIPER, SLIDE, DIAME NORIS 23 NR NR 0.000 0.000 011100225 CALIPER, SLIDE, DIAME MIR 7 NR NR 0.000 0.000 011104910 ALARM, GAS, AUTOMATIC NORIS 12 52.2 7.9 2.506 0.379 011104910 ALARM, GAS, AUTOMATIC MIR 16 0.000 0.000 011178808 OHMMETER NORIS 8 0.000 0.000 011178808 OHMMETER MIR 4 8 0.463 0.128 0.007 011183679 WRENCH, TORQUE NORIS 75 NR NR 0.000 0.000 011183679 WRENCH, TORQUE MIR 22 NR NR 0.000 0.000 011210570 TENSIOMETER, DIAL IN NORIS 1 NR NR 0.000 0.000 011210570 TENSIOMETER, DIAL IN MIR 1 NR NR 0.000 0.000 011253775 METER, IMPEDANCE NORIS 1 NR NR 0.000 0.000								0.000
011100225       CALIPER,SLIDE,DIAME NORIS       23       NR       NR       0.000       0.000         011100225       CALIPER,SLIDE,DIAME MIR       7       NR       NR       0.000       0.000         011104910       ALARM,GAS,AUTOMATIC MIR       16       0.000       0.000         011178808       OHMMETER       NORIS       8       0.000       0.000         011183679       WRENCH,TORQUE       NORIS       75       NR       NR       0.000       0.000         011183679       WRENCH,TORQUE       MIR       22       NR       NR       0.000       0.000         011210570       TENSIOMETER,DIAL IN NORIS       1       NR       NR       0.000       0.000         011253775       METER,IMPEDANCE       NORIS       1       NR       NR       0.000       0.000			NORIS	16	NR	NR		
011100225 CALIPER, SLIDE, DIAME MIR       7       NR       NR       0.000       0.000         011104910 ALARM, GAS, AUTOMATIC NORIS       12       52.2       7.9       2.506       0.379         011104910 ALARM, GAS, AUTOMATIC MIR       16       0.000       0.000         011178808 OHMMETER       NORIS       8       0.000       0.000         011183679 WRENCH, TORQUE       NORIS       75       NR       NR       0.000       0.000         011183679 WRENCH, TORQUE       MIR       22       NR       NR       0.000       0.000         011210570 TENSIOMETER, DIAL IN NORIS       1       NR       NR       0.000       0.000         011253775 METER, IMPEDANCE       NORIS       1       NR       NR       0.000       0.000				1	NR	NR	0.000	0.000
011104910       ALARM, GAS, AUTOMATIC       NORIS       12       52.2       7.9       2.506       0.379         011104910       ALARM, GAS, AUTOMATIC       MIR       16       0.000       0.000         011178808       OHMMETER       NORIS       8       0.463       0.128       0.007         011183679       WRENCH, TORQUE       NORIS       75       NR       NR       0.000       0.000         011183679       WRENCH, TORQUE       MIR       22       NR       NR       0.000       0.000         011210570       TENSIOMETER, DIAL IN NORIS       1       NR       NR       0.000       0.000         011253775       METER, IMPEDANCE       NORIS       1       NR       NR       0.000       0.000	011100225	CALIPER, SLIDE, DIAME	NORIS	23	NR	NR	0.000	0.000
011104910       ALARM,GAS,AUTOMATIC       MIR       16       0.000       0.000         011178808       OHMMETER       NORIS       8       0.000       0.000         011183679       WRENCH,TORQUE       NORIS       75       NR       NR       0.000       0.000         011183679       WRENCH,TORQUE       MIR       22       NR       NR       0.000       0.000         011210570       TENSIOMETER,DIAL IN NORIS       1       NR       NR       0.000       0.000         011253775       METER,IMPEDANCE       NORIS       1       NR       NR       0.000       0.000	011100225	CALIPER, SLIDE, DIAME	MIR	7	NR	NR	0.000	0.000
011178808 OHMMETER       NORIS       8       0.000       0.000         011178808 OHMMETER       MIR       4       8       0.463       0.128       0.007         011183679 WRENCH, TORQUE       NORIS       75       NR       NR       0.000       0.000         011210570 TENSIOMETER, DIAL IN NORIS       1       NR       NR       0.000       0.000         011210570 TENSIOMETER, DIAL IN MIR       1       NR       NR       0.000       0.000         011253775 METER, IMPEDANCE       NORIS       1       NR       NR       0.000       0.000				12	52.2	7.9	2.506	0.379
011178808         OHMMETER         MIR         4         8         0.463         0.128         0.007           011183679         WRENCH, TORQUE         NORIS         75         NR         NR         0.000         0.000           011210570         TENSIOMETER, DIAL IN NORIS         1         NR         NR         0.000         0.000           011210570         TENSIOMETER, DIAL IN MIR         1         NR         NR         0.000         0.000           011253775         METER, IMPEDANCE         NORIS         1         NR         NR         0.000         0.000	011104910	ALARM, GAS, AUTOMATIC	MIR	16			0.000	0.000
011183679       WRENCH, TORQUE       NORIS       75       NR       NR       0.000       0.000         011183679       WRENCH, TORQUE       MIR       22       NR       NR       0.000       0.000         011210570       TENSIOMETER, DIAL IN MIR       1       NR       NR       0.000       0.000         011253775       METER, IMPEDANCE       NORIS       1       NR       NR       0.000       0.000	011178808	OHMMETER	NORIS	8			0.000	0.000
011183679 WRENCH, TORQUE       MIR       22       NR       NR       0.000       0.000         011210570 TENSIOMETER, DIAL IN MIR       1       NR       NR       0.000       0.000         011210570 TENSIOMETER, DIAL IN MIR       1       NR       NR       0.000       0.000         011253775 METER, IMPEDANCE       NORIS       1       NR       NR       0.000       0.000	011178808	OHMMETER	MIR	4	8	0.463	0.128	0.007
011210570 TENSIOMETER, DIAL IN NORIS 1 NR NR 0.000 0.000 011210570 TENSIOMETER, DIAL IN MIR 1 NR NR 0.000 0.000 011253775 METER, IMPEDANCE NORIS 1 NR NR 0.000 0.000	011183679	WRENCH, TORQUE	NORIS	75	NR	NR	0.000	0.000
011210570 TENSIOMETER, DIAL IN MIR 1 NR NR 0.000 0.000 011253775 METER, IMPEDANCE NORIS 1 NR NR 0.000 0.000	011183679	WRENCH, TORQUE	MIR	22	NR	NR	0.000	0.000
011210570 TENSIOMETER, DIAL IN MIR 1 NR NR 0.000 0.000 011253775 METER, IMPEDANCE NORIS 1 NR NR 0.000 0.000	011210570	TENSIOMETER, DIAL IN	NORIS	1	NR	NR	0.000	0.000
011253775 METER, IMPEDANCE NORIS 1 NR NR 0.000 0.000	011210570			1	NR	NR	0.000	0.000
011253775 METER, IMPEDANCE MIR 1 NR NR 0.000 0.000	011253775	METER, IMPEDANCE	NORIS	1	NR	NR	0.000	0.000
	011253775	METER, IMPEDANCE	MIR	1	NR	NR	0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
	PROBE-LEAD ASSEMBLY		3	NR	NR	0.000	0.000
	PROBE-LEAD ASSEMBLY		3	NR	NR	0.000	0.000
	GENERATOR, SWEEP	NORIS	2	24	0.779	0.192	0.006
	GENERATOR, SWEEP	MIR	4			0.000	0.000
	TEST SET, PRESSURE A		4			0.000	0.000
	TEST SET, PRESSURE A		3	147	15.3		0.184
	TEST SET, RADIO	NORIS	1	25	2	0.100	0.008
	TEST SET, RADIO	MIR	3			0.000	0.000
	TEST SET, TRANSPONDE		13	50	1.4	2.600	0.073
	TEST SET, TRANSPONDE		26			0.000	0.000
	PROD TEST	NORIS	2			0.000	0.000
	PROD TEST	MIR	1	1	0.046	0.004	0.000
	PLUG-IN UNIT, EQUIPM		1	NR	NR	0.000	0.000
	PLUG-IN UNIT, EQUIPM		1	NR	NR	0.000	0.000
011650437	TEST SET, RADIO	NORIS	1	16.5	0.845	0.066	0.003
011650437	TEST SET, RADIO	MIR	5			0.000	0.000
	OSCILLOSCOPE	NORIS	7	37.3	4.4	1.044	0.123
	OSCILLOSCOPE	MIR	10			0.000	0.000
	VOLTMETER, DIGITAL	NORIS	1	NR	NR	0.000	0.000
011792809	VOLTMETER, DIGITAL	MIR	2	NR	NR	0.000	0.000
011813155	LUMBAR PUNCTURE KIT	NORIS	1	NR	NR	0.000	0.000
		MIR	3	NR	NR	0.000	0.000
011857360	WHEEL, ABRASIVE	NORIS	2	NR	NR	0.000	0.000
	WHEEL, ABRASIVE	MIR	4	NR	NR	0.000	0.000
012023543	WRENCH, TORQUE	NORIS	1	NR	NR	0.000	0.000
012023543	WRENCH, TORQUE	MIR	1	NR	NR	0.000	0.000
012044292	TEST SET, ORGANIZATI	NORIS	23			0.000	0.000
012044292	TEST SET, ORGANIZATI	MIR	10	52.2	4.9	2.088	0.196
012065809	CONTROLLER	NORIS	1	NR	NR	0.000	0.000
012065809	CONTROLLER	MIR	1	NR	NR	0.000	0.000
012139354	MULTIMETER	NORIS	42	NR	NR	0.000	0.000
012139354	MULTIMETER	MIR	104	NR	NR	0.000	0.000
012155587	TEST SET, BOMB RACK	NORIS	1	135	9.2	0.540	0.037
	TEST SET, BOMB RACK	MIR	1			0.000	0.000
	ANALYZER, BATTERY	NORIS	1	65.7	1.9	0.263	0.008
	ANALYZER, BATTERY	MIR	1			0.000	0.000
	PLUG-IN UNIT, ELECTR		10	8.4	1.8	0.336	0.072
	PLUG-IN UNIT, ELECTR		10			0.000	0.000
	PLUG-IN UNIT, ELECTR		5	8.4	1.8	0.168	0.036
	PLUG-IN UNIT, ELECTR		5			0.000	0.000
	GENERATOR, SIGNAL	NORIS	1	NR	NR	0.000	0.000
	GENERATOR, SIGNAL	MIR	2	NR	NR	0.000	0.000
	WRENCH, TORQUE	NORIS	ī	NR	NR	0.000	0.000
	WRENCH, TORQUE	MIR	ī	NR	NR	0.000	0.000
	MULTIMETER	NORIS	11	NR	NR	0.000	0.000
	MULTIMETER	MIR	9	NR	NR	0.000	0.000
012429970	· <del></del> -	NORIS	1	NR	NR	0.000	0.000
			_	-/			

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
012429970		MIR	1	NR	NR	0.000	0.000
012489079	ANALYZER, SPECTRUM	NORIS	33			0.000	0.000
	ANALYZER, SPECTRUM	MIR	11	19	1.3	0.836	0.057
	ADAPTER, SPECIAL	NORIS	3	NR	NR	0.000	0.000
012504575	ADAPTER, SPECIAL	MIR	7	NR	NR	0.000	0.000
012553189	COUNTER, ELECTRONIC,	NORIS	1	35.3	2.3	0.141	0.009
012553189	COUNTER, ELECTRONIC,	MIR	1			0.000	0.000
012561639	MAGAZINE, FILM	NORIS	12			0.000	0.000
012561639	MAGAZINE, FILM	MIR	10	2	0.174	0.080	0.007
012606908	OSCILLOSCOPE	NORIS	1	NR	NR	0.000	0.000
012606908	OSCILLOSCOPE	MIR	4	NR	NR	0.000	0.000
012614605	OSCILLOSCOPE	NORIS	4	NR	NR	0.000	0.000
012614605	OSCILLOSCOPE	MIR	10	NR	NR	0.000	0.000
012639094		NORIS	1	NR	NR	0.000	0.000
012639094		MIR	1	NR	NR	0.000	0.000
012647047	MULTIMETER	NORIS	1	NR	NR	0.000	0.000
012647047	MULTIMETER	MIR	1	NR	NR	0.000	0.000
012732542		NORIS	3	NR	NR	0.000	0.000
012732542		MIR	5	NR	NR	0.000	0.000
012743412	DRIVER, TORQUE	NORIS	1	NR	NR	0.000	0.000
012743412	DRIVER, TORQUE	MIR	4	NR	NR	0.000	0.000
012867079	GUN, HEATER, NITROGEN	NORIS	3	NR	NR	0.000	0.000
012867079	GUN, HEATER, NITROGEN	MIR	1	NR	NR	0.000	0.000
	RIBBON, COMPUTING MA		1	NR	NR	0.000	0.000
012908871	RIBBON, COMPUTING MA	MIR	3	NR	NR	0.000	0.000
012926225		NORIS	6	NR	NR	0.000	0.000
012926225		MIR	2	NR	NR	0.000	0.000
	<del>-</del>	NORIS	5	NR	NR	0.000	0.000
	TRANSFER SCREEN, VID		1	NR	NR	0.000	0.000
	PACKING, PREFORMED	NORIS	1	NR	NR	0.000	0.000
	PACKING, PREFORMED	MIR	1	NR	NR	0.000	0.000
	STUD, PLAIN	NORIS	1	NR	NR	0.000	0.000
	STUD, PLAIN	MIR	2	NR	NR	0.000	0.000
	VALVE, GLOBE	NORIS	3	NR	NR	0.000	0.000
	VALVE, GLOBE	MIR	4	NR	NR	0.000	0.000
	ADAPTER, CABIN, CARGO		1	14	3.3	0.056	0.013
	ADAPTER, CABIN, CARGO		1			0.000	0.000
	ENGINE, TEST SET	NORIS	15	31	3.4	1.860	0.204
	ENGINE, TEST SET	MIR	52			0.000	0.000
	BRIDGE, IMPEDANCE	NORIS	1	4	0.174	0.016	0.001
	BRIDGE, IMPEDANCE	MIR	2			0.000	0.000
013252900		NORIS	44	NR	NR	0.000	0.000
013252900		MIR	13	NR	NR	0.000	0.000
	CHEMICAL LIGHT STRA		1	NR	NR	0.000	0.000
	CHEMICAL LIGHT STRA		9	NR	NR	0.000	0.000
	TEST SET SUBASSEMBL		13	NR	NR	0.000	0.000
013284955	TEST SET SUBASSEMBL	MIR	2	NR	NR	0.000	0.000

1328700 WATTMETER	NIIN	NOMEN	AIMD	PROC	WT	cu	AWT	ACU
1328700 WATTMETER	013288700	WATTMETER	NORIS	1	NR	NR	0.000	0.000
143291613	013288700	WATTMETER						0.000
AVERAGE TRANSFERED PER DAY:  206.595 20.13  WORK CENTER 69A  001623720 MODULE, RELAY ASSEMB NORIS 1 3.1 0.347 0.012 0.00  001623720 MODULE, RELAY ASSEMB MIR 4 0.000 0.00  010785643 POWER SUPPLY MORIS 5 14 1 0.280 0.02  010785643 POWER SUPPLY MIR 11 0.000 0.00  012225158 DISK DRIVE NORIS 2 150 11 1.200 0.08  012225158 DISK DRIVE MIR 1 0.000 0.00  012225158 DISK DRIVE MIR 1 0.000 0.00  01094606 ACTUATOR, PARACHUTE NORIS 10 0.000 0.00  001094606 ACTUATOR, PARACHUTE MIR 2 3 0.231 0.024 0.00  010762717 CANOPY, PERSONNEL PA MIR 5 NR NR 0.000 0.00  010762717 CANOPY, PERSONNEL PA MIR 5 NR NR 0.000 0.00  010776871 CONTAINER ASSEMBLY NORIS 6 0.000 0.00  010776871 CONTAINER ASSEMBLY NORIS 6 0.000 0.00  010900051 GUN ASSEMBLY, SPREAD MIR 4 2 0.087 0.032 0.00  010900051 GUN ASSEMBLY, SPREAD MIR 4 2 0.087 0.032 0.00  011303120 HARNESS, PERSONNEL P MIR 1 0.000 0.00  011303120 HARNESS, PERSONNEL P MIR 1 0.000 0.00  011303120 HARNESS, PERSONNEL P MIR 1 0.000 0.00  0112118544 SPREADING GUN ASSEM NORIS 9 0.000 0.00  0122118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.180 0.00  010241558 SURVIVAL KIT CONTAI MIR 1 55.7 12 0.223 0.04  AVERAGE TRANSFERED PER DAY: 0.300 0.00  001241558 SURVIVAL KIT CONTAI MIR 1 39.8 6.9 0.637 0.11  010527050 SURVIVAL KIT CONTAI MIR 6 0.000 0.00  010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.00  010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000  010050600963 SURVIVAL KIT CONTAI MIR 6 0.000 0.000  010050600963 SURVIVAL KIT CONTAI MIR 6 0.000 0.000  0100600963 SURVIVAL KIT CONTAI MIR 6 0.000 0.000	143291613		NORIS					0.000
WORK CENTER 69A  001623720 MODULE, RELAY ASSEMB NORIS 1 3.1 0.347 0.012 0.00 010785643 POWER SUPPLY NORIS 5 14 1 0.280 0.02 010785643 POWER SUPPLY MIR 11 0.000 0.00 0102225158 DISK DRIVE NORIS 2 150 11 1.200 0.08 012225158 DISK DRIVE MIR 1 0.000 0.00  AVERAGE TRANSFERED PER DAY: 1.492 0.10  WORK CENTER 81A 001094606 ACTUATOR, PARACHUTE NORIS 10 0.000 0.00 010762717 CANOPY, PERSONNEL PA NORIS 2 NR NR 0.000 0.00 010762717 CANOPY, PERSONNEL PA NORIS 2 NR NR 0.000 0.00 010776871 CONTAINER ASSEMBLY NORIS 6 0.000 0.00 010900051 GUN ASSEMBLY, SPREAD NORIS 10 0.000 0.00 010900051 GUN ASSEMBLY, SPREAD NORIS 10 0.000 0.00 010900051 GUN ASSEMBLY, SPREAD NORIS 10 0.000 0.00 011303120 HARNESS, PERSONNEL P NORIS 1 7.5 0.347 0.030 0.00 011303120 HARNESS, PERSONNEL P NORIS 1 7.5 0.347 0.030 0.00 0112118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.180 0.000 0122118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.180 0.000 0122118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.000 0.000 01021185122 LIFE RAFT, INFLATABL NORIS 2 0.000 0.000 0102211858 SURVIVAL KIT CONTAI MIR 1 1 55.7 12 0.223 0.04  AVERAGE TRANSFERED PER DAY: 0.306 0.01 0010527050 SURVIVAL KIT CONTAI MIR 4 39.8 6.9 0.637 0.11 0010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0100527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0100527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0100527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 01005000603 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 01005000603 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 010050060963 SURVIVAL KIT CONTAI MIR 6 0.000 0.000	143291613		MIR	1				0.000
0.01623720   MODULE,RELAY ASSEMB   NORIS   1   3.1   0.347   0.012   0.00		AVERAGE TRANSFERED	PER DA	Y:			206.595	20.130
001623720 MODULE,RELAY ASSEMB MIR 4 0.000 0.00 010785643 POWER SUPPLY NORIS 5 14 1 0.280 0.02 010785643 POWER SUPPLY MIR 11 0.000 0.00 012225158 DISK DRIVE NORIS 2 150 11 1.200 0.08 012225158 DISK DRIVE MIR 1 0.000 0.00 012225158 DISK DRIVE MIR 1 0.000 0.00 0102225158 DISK DRIVE MIR 1 0.000 0.00 01094606 ACTUATOR, PARACHUTE NORIS 10 0.000 0.00 010762717 CANOPY, PERSONNEL PA NORIS 2 NR NR 0.000 0.00 010762717 CANOPY, PERSONNEL PA MIR 5 NR NR 0.000 0.00 010776271 CONTAINER ASSEMBLY NORIS 6 0.000 0.00 010776271 CONTAINER ASSEMBLY NORIS 6 0.000 0.00 010900051 GUN ASSEMBLY, SPREAD NORIS 10 0.000 0.00 011303120 HARNESS, PERSONNEL P NORIS 1 7.5 0.347 0.032 0.00 011303120 HARNESS, PERSONNEL P NORIS 1 7.5 0.347 0.030 0.00 011303120 HARNESS, PERSONNEL P MIR 1 0.000 0.00 0122118544 SPREADING GUN ASSEM NORIS 9 0.000 0.00 0122118544 SPREADING GUN ASSEM NORIS 9 0.000 0.00 0122118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 0122118548 SURVIVAL KIT CONTAI NORIS 21 0.000 0.00 001241558 SURVIVAL KIT CONTAI NORIS 21 0.000 0.00 001241558 SURVIVAL KIT CONTAI MIR 4 39.8 6.9 0.637 0.11 010527050 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 010527051 SURVIVAL KIT CONTAI NORIS 2 39.8 6.9 0.318 0.055	WORK CENT	ER 69A						
010785643 POWER SUPPLY MIR 11 0.000 0.00 010785643 POWER SUPPLY MIR 11 0.000 0.00 010225158 DISK DRIVE NORIS 2 150 11 1.200 0.08 012225158 DISK DRIVE MIR 1 0.000 0.00  AVERAGE TRANSFERED PER DAY: 1.492 0.10  WORK CENTER 81A 001094606 ACTUATOR, PARACHUTE MIR 2 3 0.231 0.024 0.00 010762717 CANOPY, PERSONNEL PA NORIS 2 NR NR 0.000 0.00 010762717 CANOPY, PERSONNEL PA MIR 5 NR NR 0.000 0.00 010776871 CONTAINER ASSEMBLY NORIS 6 0.000 0.00 010776871 CONTAINER ASSEMBLY MIR 4 2 0.087 0.032 0.00 010900051 GUN ASSEMBLY, SPREAD MORIS 10 0.000 0.00 010900051 GUN ASSEMBLY, SPREAD MIR 9 5 0.174 0.180 0.00 011303120 HARNESS, PERSONNEL P NORIS 1 7.5 0.347 0.030 0.00 011303120 HARNESS, PERSONNEL P MIR 1 0.000 0.00 012118544 SPREADING GUN ASSEM NORIS 9 0.000 0.00 0122118544 SPREADING GUN ASSEM NORIS 9 0.000 0.00 0122118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 0122118545 SURVIVAL KIT CONTAI NORIS 21 0.000 0.00 001241558 SURVIVAL KIT CONTAI NORIS 21 0.000 0.000 0.000 010527050 SURVIVAL KIT CONTAI MIR 4 39.8 6.9 0.637 0.11 010527050 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.000 0.00527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.000 0.00527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.000 0.00527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.000 0.000 0.00527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.000 0.00527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.000 0.00527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.000 0.00527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.000 0.000000063 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.000000063 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.0000000063 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.0000000063 SURVIVAL KIT CONTAI MIR 6 0.000 0.000 0.0000000000000000000000					3.1	0.347		0.001
D10785643 POWER SUPPLY   MIR   11								0.000
D12225158 DISK DRIVE   NORIS   2   150					14	1		0.020
AVERAGE TRANSFERED PER DAY:  **NORK CENTER 81A**  **D01094606 ACTUATOR, PARACHUTE NORIS 10 0.000 0.00  **D01094606 ACTUATOR, PARACHUTE MIR 2 3 0.231 0.024 0.00  **D010762717 CANOPY, PERSONNEL PA NORIS 2 NR NR 0.000 0.00  **D0107762717 CANOPY, PERSONNEL PA MIR 5 NR NR 0.000 0.00  **D10776871 CONTAINER ASSEMBLY NORIS 6 0.000 0.00  **D10776871 CONTAINER ASSEMBLY MIR 4 2 0.087 0.032 0.00  **D10900051 GUN ASSEMBLY, SPREAD NORIS 10 0.000 0.00  **D10900051 GUN ASSEMBLY, SPREAD MIR 9 5 0.174 0.180 0.00  **D11303120 HARNESS, PERSONNEL P NORIS 1 7.5 0.347 0.030 0.00  **D113103120 HARNESS, PERSONNEL P MIR 1 0.000 0.00  **D112118544 SPREADING GUN ASSEM NORIS 9 0.000 0.00  **D112118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00  **D012118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00  **D01211858 SURVIVAL KIT CONTAI MIR 1 55.7 12 0.223 0.04  **D011241558 SURVIVAL KIT CONTAI MIR 1 39.8 6.9 0.637 0.11  **D010527050 SURVIVAL KIT CONTAI MIR 6 0.000 0.00  **D10527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.000  **D10527051 SURVIVAL KIT CONTAI MORIS 2 39.8 6.9 0.318 0.050								0.000
AVERAGE TRANSFERED PER DAY:  1.492 0.10  WORK CENTER 81A  001094606 ACTUATOR, PARACHUTE NORIS 10 0.000 0.00 0010762717 CANOPY, PERSONNEL PA NORIS 2 NR NR 0.000 0.00 010762717 CANOPY, PERSONNEL PA MIR 5 NR NR 0.000 0.00 010776871 CONTAINER ASSEMBLY NORIS 6 0.000 0.00 010776871 CONTAINER ASSEMBLY MIR 4 2 0.087 0.032 0.00 010900051 GUN ASSEMBLY, SPREAD NORIS 10 0.000 0.00 011303120 HARNESS, PERSONNEL P NORIS 1 7.5 0.347 0.030 0.00 011303120 HARNESS, PERSONNEL P NORIS 1 7.5 0.347 0.030 0.00 011303120 HARNESS, PERSONNEL P MIR 1 0.000 0.00 012118544 SPREADING GUN ASSEM NORIS 9 0.000 0.00 012118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 012118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 0122121854 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 0122121854 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 01221258 SURVIVAL KIT CONTAI NORIS 21 0.000 0.00 001241558 SURVIVAL KIT CONTAI NORIS 1 39.8 6.9 0.637 0.11 010527050 SURVIVAL KIT CONTAI NORIS 1 39.8 6.8 0.159 0.02 010527051 SURVIVAL KIT CONTAI NORIS 1 39.8 6.8 0.159 0.02 010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16 010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16 010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16 010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16 010500063 SURVIVAL KIT CONTAI NORIS 2 39.8 6.9 0.318 0.05					150	11		
WORK CENTER 81A  001094606 ACTUATOR, PARACHUTE NORIS 10	012225158	DISK DRIVE	MIR	1			0.000	0.000
001094606 ACTUATOR, PARACHUTE NORIS 10 0.000 0.00 001094606 ACTUATOR, PARACHUTE MIR 2 3 0.231 0.024 0.00 010762717 CANOPY, PERSONNEL PA NORIS 2 NR NR 0.000 0.00 0107762717 CANOPY, PERSONNEL PA MIR 5 NR NR 0.000 0.00 010776871 CONTAINER ASSEMBLY NORIS 6 0.000 0.00 010776871 CONTAINER ASSEMBLY MIR 4 2 0.087 0.032 0.00 010900051 GUN ASSEMBLY, SPREAD NORIS 10 0.000 0.00 011303120 HARNESS, PERSONNEL P NORIS 1 7.5 0.347 0.030 0.00 011303120 HARNESS, PERSONNEL P MIR 1 0.000 0.00 012118544 SPREADING GUN ASSEM NORIS 9 0.000 0.00 0122118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 0121186122 LIFE RAFT, INFLATABL NORIS 9 0.000 0.00 001186122 LIFE RAFT, INFLATABL NORIS 2 0.000 0.00 001241558 SURVIVAL KIT CONTAI NORIS 21 0.000 0.00 001241558 SURVIVAL KIT CONTAI NORIS 21 0.000 0.00 0010527050 SURVIVAL KIT CONTAI NORIS 1 39.8 6.9 0.637 0.11 010527051 SURVIVAL KIT CONTAI NORIS 1 39.8 6.8 0.159 0.02 010527051 SURVIVAL KIT CONTAI NORIS 1 39.8 6.8 0.159 0.02 010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16 010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16 010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.9 0.318 0.05		AVERAGE TRANSFERED	PER DA	Y:			1.492	0.109
001094606 ACTUATOR, PARACHUTE MIR 2 3 0.231 0.024 0.00 010762717 CANOPY, PERSONNEL PA NORIS 2 NR NR 0.000 0.00 010776871 CONTAINER ASSEMBLY NORIS 6 0.000 0.00 0109706871 CONTAINER ASSEMBLY MIR 4 2 0.087 0.032 0.00 010900051 GUN ASSEMBLY, SPREAD NORIS 10 0.000 0.00 010900051 GUN ASSEMBLY, SPREAD MIR 9 5 0.174 0.180 0.00 011303120 HARNESS, PERSONNEL P NORIS 1 7.5 0.347 0.030 0.00 0112118544 SPREADING GUN ASSEM NORIS 9 0.000 0.00 012118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 012118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 0012118545 SURVIVAL KIT CONTAI NORIS 22 0.000 0.00 001186122 LIFE RAFT, INFLATABL NORIS 22 0.306 0.01 001186122 LIFE RAFT, INFLATABL NORIS 22 0.000 0.00 001241558 SURVIVAL KIT CONTAI NORIS 21 0.000 0.00 001241558 SURVIVAL KIT CONTAI NORIS 21 0.000 0.00 001241558 SURVIVAL KIT CONTAI NORIS 1 39.8 6.9 0.637 0.11 010527050 SURVIVAL KIT CONTAI MIR 4 39.8 6.9 0.637 0.11 010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.00 010600963 SURVIVAL KIT CONTAI NORIS 2 39.8 6.9 0.318 0.05	WORK CENT	ER 81A						
D10762717   CANOPY, PERSONNEL PA NORIS   2 NR NR   0.000   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00   0.00	001094606	ACTUATOR, PARACHUTE	NORIS	10			0.000	0.000
No.					3			0.00
0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.00								0.000
0.00776871 CONTAINER ASSEMBLY MIR					NR	NR		0.000
0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.000   0.00								
0.000					2	0.087		
011303120 HARNESS, PERSONNEL P NORIS 1 7.5 0.347 0.030 0.00 011303120 HARNESS, PERSONNEL P MIR 1 0.000 0.00 012118544 SPREADING GUN ASSEM NORIS 9 0.000 0.00 012118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 012118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 012118544 SPREADING GUN ASSEM MIR 2 5 0.174 0.040 0.00 012118542 LIFE RAFT, INFLATABL NORIS 22 0.000 0.00 001186122 LIFE RAFT, INFLATABL MIR 1 55.7 12 0.223 0.04 001241558 SURVIVAL KIT CONTAI NORIS 21 0.000 0.00 001241558 SURVIVAL KIT CONTAI MIR 4 39.8 6.9 0.637 0.11 010527050 SURVIVAL KIT CONTAI NORIS 1 39.8 6.8 0.159 0.02 010527051 SURVIVAL KIT CONTAI NORIS 1 39.8 6.8 0.159 0.02 010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16 010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16 010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.00 010600963 SURVIVAL KIT CONTAI NORIS 2 39.8 6.9 0.318 0.05					_			
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AVERAGE TRANSFERED PER DAY:  O.306  O.001  WORK CENTER 81B  O.01186122 LIFE RAFT, INFLATABL NORIS 22  O.001186122 LIFE RAFT, INFLATABL MIR 1 55.7 12 0.223 0.04  O.01241558 SURVIVAL KIT CONTAI NORIS 21  O.000 0.00  O.01241558 SURVIVAL KIT CONTAI MIR 4 39.8 6.9 0.637 0.11  O.010527050 SURVIVAL KIT CONTAI NORIS 1 39.8 6.8 0.159 0.02  O.010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16  O.010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.00  O.010600963 SURVIVAL KIT CONTAI NORIS 2 39.8 6.9 0.318 0.05								
AVERAGE TRANSFERED PER DAY:  WORK CENTER 81B  001186122 LIFE RAFT, INFLATABL NORIS 22  001186122 LIFE RAFT, INFLATABL MIR 1 55.7 12 0.223 0.04  001241558 SURVIVAL KIT CONTAI NORIS 21 0.000 0.00  001241558 SURVIVAL KIT CONTAI MIR 4 39.8 6.9 0.637 0.11  010527050 SURVIVAL KIT CONTAI NORIS 1 39.8 6.8 0.159 0.02  010527050 SURVIVAL KIT CONTAI MIR 6 0.000 0.00  010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16  010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.00  010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.00  010600963 SURVIVAL KIT CONTAI NORIS 2 39.8 6.9 0.318 0.05					5	0 174		
WORK CENTER 81B 001186122 LIFE RAFT, INFLATABL NORIS 22 0.000 0.00 001186122 LIFE RAFT, INFLATABL MIR 1 55.7 12 0.223 0.04 001241558 SURVIVAL KIT CONTAI NORIS 21 0.000 0.00 001241558 SURVIVAL KIT CONTAI MIR 4 39.8 6.9 0.637 0.11 010527050 SURVIVAL KIT CONTAI NORIS 1 39.8 6.8 0.159 0.02 010527050 SURVIVAL KIT CONTAI MIR 6 0.000 0.00 010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16 010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.00 010600963 SURVIVAL KIT CONTAI NORIS 2 39.8 6.9 0.318 0.05	012110344				J	0.1/4		
001186122 LIFE RAFT, INFLATABL NORIS       22       0.000       0.00         001186122 LIFE RAFT, INFLATABL MIR       1 55.7       12 0.223       0.04         001241558 SURVIVAL KIT CONTAI NORIS       21       0.000       0.00         001241558 SURVIVAL KIT CONTAI MIR       4 39.8       6.9       0.637       0.11         010527050 SURVIVAL KIT CONTAI NORIS       1 39.8       6.8       0.159       0.02         010527051 SURVIVAL KIT CONTAI NORIS       6 39.8       6.8       0.955       0.16         010527051 SURVIVAL KIT CONTAI MIR       6       0.000       0.00         010600963 SURVIVAL KIT CONTAI NORIS       2 39.8       6.9       0.318       0.05		AVERAGE TRANSFERED	PER DA	Y:			0.306	0.012
001186122 LIFE RAFT, INFLATABL MIR       1 55.7       12 0.223 0.04         001241558 SURVIVAL KIT CONTAI NORIS       21 0.000 0.00         001241558 SURVIVAL KIT CONTAI MIR       4 39.8 6.9 0.637 0.11         010527050 SURVIVAL KIT CONTAI NORIS       1 39.8 6.8 0.159 0.02         010527050 SURVIVAL KIT CONTAI MIR       6 0.000 0.00         010527051 SURVIVAL KIT CONTAI NORIS       6 39.8 6.8 0.955 0.16         010527051 SURVIVAL KIT CONTAI MIR       6 0.000 0.00         010600963 SURVIVAL KIT CONTAI NORIS       2 39.8 6.9 0.318 0.05								
001241558 SURVIVAL KIT CONTAI NORIS       21       0.000       0.00         001241558 SURVIVAL KIT CONTAI MIR       4 39.8       6.9       0.637       0.11         010527050 SURVIVAL KIT CONTAI NORIS       1 39.8       6.8       0.159       0.02         010527050 SURVIVAL KIT CONTAI MIR       6       0.000       0.00         010527051 SURVIVAL KIT CONTAI MIR       6       0.955       0.16         010527051 SURVIVAL KIT CONTAI MIR       6       0.000       0.00         010600963 SURVIVAL KIT CONTAI NORIS       2 39.8       6.9       0.318       0.05		• • • • • • • • • • • • • • • • • • •						0.000
001241558 SURVIVAL KIT CONTAI MIR       4 39.8       6.9 0.637 0.11         010527050 SURVIVAL KIT CONTAI NORIS       1 39.8       6.8 0.159 0.02         010527050 SURVIVAL KIT CONTAI MIR       6 0.000 0.00         010527051 SURVIVAL KIT CONTAI NORIS       6 39.8 6.8 0.955 0.16         010527051 SURVIVAL KIT CONTAI MIR       6 0.000 0.00         010600963 SURVIVAL KIT CONTAI NORIS       2 39.8 6.9 0.318 0.05					55.7	12		0.048
010527050 SURVIVAL KIT CONTAI NORIS 1 39.8 6.8 0.159 0.02 010527050 SURVIVAL KIT CONTAI MIR 6 0.000 0.00 010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16 010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.00 010600963 SURVIVAL KIT CONTAI NORIS 2 39.8 6.9 0.318 0.05						<u> </u>		0.000
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000000				-				
010527051 SURVIVAL KIT CONTAI NORIS 6 39.8 6.8 0.955 0.16 010527051 SURVIVAL KIT CONTAI MIR 6 0.000 0.00 010600963 SURVIVAL KIT CONTAI NORIS 2 39.8 6.9 0.318 0.05					39.8	6.8		
0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000								
010600963 SURVIVAL KIT CONTAI NORIS 2 39.8 6.9 0.318 0.05					39.8	6.8		
					20.0			
				2 2	39.8	6.9	0.318	0.05

MITM	NOVEN		DD00			3.700	
NIIN	NOMEN	AIMD	PROC	WT	CU 	AWT	ACU
	LIFE RAFT, INFLATABL					0.000	0.000
	LIFE RAFT, INFLATABL		3	67.5	19.1	0.810	0.229
	LIFE PRESERVER, YOKE		263			0.000	0.000
	LIFE PRESERVER, YOKE		168	6	0.231	4.032	0.155
	LIFE PRESERVER, YOKE		66	6	0.231	1.584	0.061
	LIFE PRESERVER, YOKE		354			0.000	0.000
	COVERALLS, FLYERS, AN		8	NR	NR	0.000	0.000
	COVERALLS, FLYERS, AN		65	NR	NR	0.000	0.000
	BAG, EQUIPMENT, RESCU		1	8	6.8	0.032	0.027
012434523	BAG, EQUIPMENT, RESCU	MIR	1			0.000	0.000
	AVERAGE TRANSFERED	PER DA	Y:			8.750	0.877
NODE COM	IED 010						
WORK CENT	ER 81C CYLINDER ASSEMBLY	NORIS	4			0.000	0.000
	CYLINDER ASSEMBLY	MIR	1	10	1.6	0.040	0.006
	CONVERTER, LIQUID OX			30.1	2.7	0.482	0.043
	CONVERTER, LIQUID OX		15	30.1	2.,	0.000	0.000
	REGULATOR, OXYGEN, DI		1	4	0.069	0.016	0.000
	REGULATOR, OXYGEN, DI		1	*	0.005	0.000	0.000
	CONVERTER, LIQUID OX			30.1	2.7	12.762	1.145
	CONVERTER, LIQUID OX		339	30.1	2.7	0.000	0.000
	HOSE, OXYGEN	NORIS	7	0.63	0.046	0.018	0.001
	HOSE, OXYGEN	MIR	8			0.000	0.000
	HOSE ASSY, SURVIVAL	NORIS				0.000	0.000
	HOSE ASSY, SURVIVAL	MIR	29	1	0.046	0.116	0.005
	REGULATOR, OXYGEN, DE		2	24.8	2.4	0.198	0.019
	REGULATOR, OXYGEN, DE		12			0.000	0.000
	CYLINDER ASSEMBLY	NORIS	3			0.000	0.000
	CYLINDER ASSEMBLY	MIR	11	10	1.6	0.440	0.070
011018827	REGULATOR, OXYGEN, TR	NORIS	5			0.000	0.000
	REGULATOR, OXYGEN, TR		6	12	2.1	0.288	0.050
011794064	CONVERTER, LIQUID OX	NORIS	13	30.1	2.7	1.565	0.140
011794064	CONVERTER, LIQUID OX	MIR	60			0.000	0.000
012408316	EGRESS DEVICE, VEST	NORIS	477			0.000	0.000
012408316	EGRESS DEVICE, VEST	MIR	3	8	4.05	0.096	0.049
	AVERAGE TRANSFERED	PER DA	Y:			16.021	1.530
WORK CENT			_				
	GENERATOR, ENGINE AC			~~		0.000	0.000
	GENERATOR, ENGINE AC		5	20	1.2	0.400	0.024
	RELAY, ELECTRICAL	NORIS		NR	NR	0.000	0.000
	RELAY, ELECTRICAL	MIR	1	NR	NR	0.000	0.000
005313630	RELAY, ELECTROMAGNET	MORIS	3			0.000	0.000

NIIN	NOMEN	AIMD	PROC	WT	CU	AWT	ACU
002319690	RELAY, ELECTROMAGNET	MIR	1	1.5	0.231	0.006	0.001
004779242	ACTUATOR, GOVERNOR	NORIS	8	NR	NR	0.000	0.000
004779242	ACTUATOR, GOVERNOR	MIR	6	NR	NR	0.000	0.000
005081807	RELAY, ELECTROMAGNET	NORIS	5	NR	NR	0.000	0.000
005081807	RELAY, ELECTROMAGNET	MIR	3	NR	NR	0.000	0.000
007162024	VALVE	NORIS	1			0.000	0.000
007162024	VALVE	MIR	7	10.5	0.521	0.294	0.015
	AVERAGE TRANSFERED	PER DA	Y:		•	0.700	0.040

	M.T.	CU
AVG TRANSFER/DAY TOTAL FOR REPAIR:	691.23	81.93
AVG TRANSFER/DAY FROM N.ISLAND TO MIRAMAR FOR REPAIR:	527.34	58.27
AVG TRANSFER/DAY FROM MIRAMAR TO N.ISLAND FOR REPAIR:	163.89	23.66

^{*} MIL-STD-726 Packaging Data Program, Version CD1, 1991, Cherokee Software Systems, Mechanicsburg, PA

Software provided by; Navy Ships Parts Control Center Packaging Division, Code 0541 Mechanicsburg, PA

## APPENDIX D

## COMPONENT REPAIR COMMONALITY of NAS NORTH ISLAND AIMD & NAS MIRAMAR AIMD

Data Source: Naval Aviation Logistics Data Analysis (NALDA)

Period Covered: July 1990 - June 1991

## Legend:

LINE = Line Number

NIIN = National Item Identification Number

NOMEN = Nomenclature

AIMD = Aircraft Intermediate Maintenance Department

WC = Work Center

PROC = Number of items processed

RFI = Number of items made Ready For Issue

BCM = Number of items declared Beyond Capability of Maintenance

RFI% = Percentage of items processed made RFI

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
WORK	CENTER 41	1						
1		HEATER ASSEMBLY, FUE	NORIS	411	1	1	0	100%
2		HEATER ASSEMBLY, FUE		05A	1	0	1	0%
3	009699669	VALVE, AIR SHUT OFF	NORIS	411	7	2	5	29%
4	009699669	VALVE, AIR SHUT OFF	MIR	411	11	11	0	100%
5	010389302	VALVE, SOLENOID	NORIS	411	2	1	1	50%
6	010389302	VALVE, SOLENOID	MIR	411	13	13	0	100%
7	010621642	COWL ASSEMBLY	NORIS	411	2	0	2	98
8	010621642	COWL ASSEMBLY	MIR	411	7	4	3	57%
		NORTH ISLAND TOTAL:			13	4	9	- 31%
		MIRAMAR TOTAL:			32	28	4	88%
		SUM TOTAL:			45	32	13	71%
WORK	CENTER 51	A						
9	000666325	FLAP, COOLER E, IT	NORIS	51A	4	0	4	0%
10	000666325	FLAP, COOLER E, IT	MIR	51A	19	4	15	21%
11	003952547	DOOR, LANDING GEAR, A	NORIS	51A	1	1	0	100%
12	003952547	DOOR, LANDING GEAR, A	MIR	51A	1	1	0	100%
13	003952550	DOOR, LANDING GEAR, A	NORIS	51A	1	0	1	80
14	003952550	DOOR, LANDING GEAR, A	MIR	51A	7	3	4	43%
15	007995192	TUBE, TORQUE, INBOARD	NORIS	51A	1	1	0	100%
16		TUBE, TORQUE, INBOARD		05A	1	0	1	98
17		LIMITER, LOAD	NORIS	51 <b>A</b>	3	1	2	33%
18		LIMITER, LOAD	MIR	51A	6	1	5	17%
19		COWLING ASSEMBLY	NORIS	51A	5	4	1	80%
20	010439782	COWLING ASSEMBLY	MIR	51 <b>A</b>	1	0	1	80

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
						_	_	
21			NORIS	51A	1	0	1	0%
22		DOOR ASSEMBLY, WING	MIR	51A	1	0	1	0%
23	011898798	MOUNT, DYNAFOCAL	NORIS		2	0 1 4	1 1	
24	011898798	MOUNT, DYNAFOCAL	MIR	51A	5	4 		80% -
		NORTH ISLAND TOTAL:			18	8	10	44%
		MIRAMAR TOTAL:			41			
					~			-
		SUM TOTAL:			59	21	38	36%
WORK	CENTER 51	E						
25	000836213	WHEEL, LANDING GEAR	NORIS	51E	82	80	2	98%
26	000836213	WHEEL, LANDING GEAR	MIR	51E	301	296	5	98%
27		RIM, WHEEL, PNEUMATIC			121			100%
28		RIM, WHEEL, PNEUMATIC	MIR		230			100%
29		WHEEL, LANDING GEAR	NORIS		69			99%
30		WHEEL, LANDING GEAR	MIR		295			96%
31		TIRE, PNEUMATIC	NORIS		1			100%
32	012943044	TIRE, PNEUMATIC	MIR	51E	4	4	0	100% -
		NORTH ISLAND TOTAL:			273			99%
		MIRAMAR TOTAL:			830	812	18	98% -
		SUM TOTAL:			1103	1082	21	98%
WORK	CENTER 52	<b>A</b>						
33		VALVE, REGULATING, FL	NORIS	52A	1	1	0	100%
34		VALVE, REGULATING, FL		52A			4	0%
35		CYLINDER ASSEMBLY, A		52A	1		0	100%
36		CYLINDER ASSEMBLY, A		52A	3	3	0	100%
37		VALVE, LINEAR, DIRECT		52A	1	1	0	100%
38		VALVE, LINEAR, DIRECT		52A	2	2	0	100%
39	009123104	PUMP, AXIAL PISTONS	NORIS	52A	2	2	0	100%
40	009123104	PUMP, AXIAL PISTONS	MIR	52 <b>A</b>	8	8	0	100% -
		NORTH ISLAND TOTAL:			5	5	0	100%
		MIRAMAR TOTAL:			17	13	4	76% -
		SUM TOTAL:			22	18	4	82%
MUDK	CENTER 521	B						
41		BRAKE, MULTIPLE DISK	NORTS	52B	9	8	1	89%
42		BRAKE, MULTIPLE DISK		52B	3	2	ī	67%
43		HOUSING, BRAKE, AIRCR		52B	1	ō	ī	80

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
44	013218031	HOUSING, BRAKE, AIRCR	MIR	52B	1	1	0	100%
		NORTH ISLAND TOTAL: MIRAMAR TOTAL:			10	8	2	- 80% 75%
		MIRAMAR IOIAL:					·	
		SUM TOTAL:			14	11	3	79%
WORK	CENTER 612							
45	000000120	MOUNTING BASE, ELECT	NORIS	61A	1	1	0	100%
46	000000120	MOUNTING BASE, ELECT	MIR	61A	1	1	0	100%
47	000085602	CONTROL, INTERCOMMUN	NORIS	61A	2	1	0	50%
48	000085602	CONTROL, INTERCOMMUN	MIR	61A	14	14	0	100%
49	000150436	AMPLIFIER, RADIO FRE	NORIS	61A	4	4	0	100%
50	000150436	AMPLIFIER, RADIO FRE AMPLIFIER, RADIO FRE POWER SUPPLY	MIR	61A	8	7	1	888
51	000214742	POWER SUPPLY	NORIS	61A	1	1	0	100%
52		POWER SUPPLY			1		0	100%
53		AMPLIFIER-OSCILLATO					0	100%
54		AMPLIFIER-OSCILLATO		61A			0	100%
55		RECEIVER-TRANSMITTE			7		5	29%
56		RECEIVER-TRANSMITTE		61A	9 3	8		89%
57		AMPLIFIER, RADIO FRE			3	2	1	67 <b>%</b>
58 50		AMPLIFIER, RADIO FRE		61A	20	13	7	
59 60		AMPLIFIER, INTERMEDI		OIA	2	2	0	100% 100%
60 61		AMPLIFIER, INTERMEDI AMPLIFIER-RELAY ASS		61A	3 9	3	0 0	100%
62		AMPLIFIER-RELAY ASS		61A	14	1 4	0	100%
63		RECEIVER-TRANSMITTE		61A		37	0	100%
64		RECEIVER-TRANSMITTE		61A		63	Ö	100%
65		CONTROL, TRANSPONDER			2	2	o	100%
66		CONTROL, TRANSPONDER		61A	13	13	Ö	100%
67		RECEIVER-TRANSMITTE			1	1	Ö	100%
68		RECEIVER-TRANSMITTE		61A	6		ŏ	100%
69		POWER SUPPLY		61A				
70		POWER SUPPLY	MIR	61A	31	28	3	90%
71		RADIO SET	NORIS	61A	4	2	2	50%
72		RADIO SET	MIR	61A	5	5	0	100%
73		ELECTRONIC SWITCH	NORIS	61A	2	0	2	90
74		ELECTRONIC SWITCH	MIR	61A	3	2	1	678
75	001151029	CIRCUIT CARD ASSEMB	NORIS	61 <b>A</b>	2	2	0	100%
76	001151029	CIRCUIT CARD ASSEMB	MIR	61A	4	3	0	75%
77	001151032	CIRCUIT CARD ASSEMB	NORIS	61A	2	2	0	100%
78		CIRCUIT CARD ASSEMB		61 <b>A</b>	12	9	2	75%
79		CIRCUIT CARD ASSEMB		61 <b>A</b>	1	1	0	100%
80		CIRCUIT CARD ASSEMB		61A	1	1	0	100%
81		RECEIVER ASSEMBLY	NORIS	61 <b>A</b>	6	6	0	100%
82		RECEIVER ASSEMBLY	MIR	61A	17	4	12	24%
83	001174257	CAVITY, TUNED	NORIS	61A	1	0	1	80

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
						•	4	Λ 9.
84		CAVITY, TUNED	MIR	61A	1	0	1	0%
85		CONTROL, INTERROGATO		61A	1	1	0	100%
86		CONTROL, INTERROGATO		61A	1	1	0	100%
87		RECEIVER-TRANSMITTE		61A	12	12	0	100%
88		RECEIVER-TRANSMITTE		61A	136	133	3 1	98% 93%
89		RECEIVER-TRANSMITTE		61A	14	13	0	100%
90		RECEIVER-TRANSMITTE		61A	77	77		
91		CIRCUIT CARD ASSEMB		61A	2 8	2	0	100% 100%
92		CIRCUIT CARD ASSEMB		61A	2	8 2	0	100%
93		CIRCUIT CARD ASSEMB		61A		1	0	100%
94		CIRCUIT CARD ASSEMB		61A	1	10	1	91%
95 06		RADIO FREQUENCY SUB RADIO FREQUENCY SUB		61A 61A	11 39	39		100%
96		CIRCUIT CARD ASSEMB		61A	3	2		67%
97		CIRCUIT CARD ASSEMB		61A	6	6		100%
98 99		CIRCUIT CARD ASSEMB		61A	1	1		100%
100		CIRCUIT CARD ASSEMB		61A	9	9		100%
		RECEIVER-TRANSMITTE		61A	50	50		100%
		RECEIVER-TRANSMITTE		61A	81	81		100%
		BEACON SET, RADIO	NORIS	61A	105	89		85%
		BEACON SET, RADIO	MIR	61A	162	158		98%
		RECEIVER-TRANSMITTE		61A	33	33		100%
		RECEIVER-TRANSMITTE		61A	98	98		100%
		CONTROL, INTERROGATO		61A	7	7		100%
		CONTROL, INTERROGATO		61A	34	34		100%
		RECEIVER-TRANSMITTE		61A	5	5		100%
		RECEIVER-TRANSMITTE		61A	5	5		100%
		RECEIVER-TRANSMITTE		61A	1	1		100%
		RECEIVER-TRANSMITTE		61A	î	ī		100%
		ELECTRONIC COMPONEN		61A	ī	ō	1	80
		ELECTRONIC COMPONEN		61A	ī	1	ō	100%
		CONTROL, INTERCOMMUN		61A	1	ī	Ō	100%
		CONTROL, INTERCOMMUN		61A	15	15		100%
		AMPLIFIER, AUDIO FRE			1		0	100%
		AMPLIFIER, AUDIO FRE		61A	2	2	0	100%
		TEST SET, TRANSPONDE		61A	15	11	4	73%
		TEST SET, TRANSPONDE		61A	18	18	0	100%
		CIRCUIT CARD ASSEMB		61A	2	2		100%
		CIRCUIT CARD ASSEMB		61A	3	3		100%
		CIRCUIT CARD ASSEMB		61A	20	2	18	10%
		CIRCUIT CARD ASSEMB		61A	49	1	48	2%
		CIRCUIT CARD ASSEMB		61A	1	0		0%
		CIRCUIT CARD ASSEMB		61A	2	0		0%
		ELECTRONIC COMPONEN		61A	2	1	1	50%
		ELECTRONIC COMPONEN		61A	5	3	2	60%
		CONTROL, RECEIVER-TR		61 <b>A</b>	6	1	_	17%
		CONTROL, RECEIVER-TR		61 <b>A</b>	7	0		90
131	005674549	AMPLIFIER, RADIO FRE	NORIS	61A	7	0	7	90

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
	- <b></b>							
132	005674549	AMPLIFIER, RADIO FRE	MIR	61A	25	2	23	88
133	007385992	CONTROL, RADIO SET	NORIS	61A	6	6	0	100%
134	007385992	CONTROL, RADIO SET	MIR	61A	1	1	0	100%
135	007635947	AMPLIFIER, RADIO FRE	NORIS	61A	1	1	0	100%
136	007635947	AMPLIFIER, RADIO FRE	MIR	61A	7	7	0	100%
137	007635948	RECEIVER, RADIO	NORIS	61A	1	1	0	100%
		RECEIVER, RADIO	MIR	61A	5	3	2	60%
		CONTROL, TRANSPONDER		61A	7	7	0	100%
		CONTROL, TRANSPONDER		61A	5	5	0	100%
141		RADIO SET	NORIS	61A	542	393	149	73%
	007825308		MIR	61A	408	346	32	85%
		RECEIVER TRANSMI	NORIS	61A	4	4	0	100%
		RECEIVER TRANSMI	MIR	61A	62	60	2	97%
		SYNCHRONIZER, ELECTR		61A	14	10	4	71%
		SYNCHRONIZER, ELECTR		61A	53	51	2	96%
147			NORIS	61A	8	8	0	100%
148		SWITCH-AMPLIFIER	MIR	61A	68	64	4	94%
149		RECEIVER-TRANSMITTE		61A	2	1	1	50%
150		RECEIVER-TRANSMITTE		61A	1	0	0	0%
151		CASE ASSEMBLY, RF	NORIS	61A	4	4	0	100%
152		•	MIR	61A	10	10	0	100%
153	008601410	•		61A	2	2	0	100%
154		CONTROL, TRANSPONDER		61A	3	3	0	100%
155	008954446	•		61A	16	14	2	88%
156	008954446	▼		61A	21	20	1	95%
157	009007994	•	NORIS	61A	1	1	0	100%
158	009007994	CONTROL, RADIO SET	MIR	61A	24	24	0	100%
159	009290904	•	NORIS	61A	1	1	0	100%
160	009290904	•	MIR	61A	1	1	0	100%
161	009332825			61A	4	3	0	75%
162	009332825	· · · · · · · · · · · · · · · · · · ·		61A	17	17	0	100%
163	009509135 009509135		NORIS	61A	1	1	0	100ዩ 100ዩ
		CONTROL UNIT RECEIVER-TRANSMITTE	MIR	61A 61A	5	5	_	100%
		RECEIVER-TRANSMITTE RECEIVER-TRANSMITTE		05A	1	0	1	0%
		RECEIVER-TRANSMITTE		61A	17	17	0	100%
		RECEIVER-TRANSMITTE		61A	57	57	0	100%
		CONTROL, RADIO SET	NORIS	61A	1	1	0	100%
		CONTROL, RADIO SET	MIR	61A	61	61	ő	100%
		CIRCUIT CARD ASSEMB		61A	4	2	2	50%
		CIRCUIT CARD ASSEMB		61A	20	Õ	20	0%
		CASE ASSEMBLY	NORIS	61A	5	4	1	80%
		CASE ASSEMBLY	MIR	61A	16	16	ō	100%
		RECEIVER-TRANSMITTE		61A	22	22	ő	100%
		RECEIVER-TRANSMITTE		61A	110	106	4	96%
		CIRCUIT CARD ASSEMB		61A	3	3	0	100%
		CIRCUIT CARD ASSEMB		61A	1	1	ő	100%
		CIRCUIT CARD ASSEMB		61A	ī	1	0	100%
					_	_	-	_ <del>-</del> - <del>-</del>

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
100	010445010	ATRAUTA ALBA LAGRUA	MTD		•	_	•	1000
180	010447010	CIRCUIT CARD ASSEMB CIRCUIT CARD AS CIRCUIT CARD AS CIRCUIT CARD ASSEMB CIRCUIT CARD ASSEMB POWER SUPPLY POWER SUPPLY	MIK	61A	2	2	U	100%
102	010449970	CIRCUIT CARD AS	MID	61X	2	2	0	1004
102	010449970	CIRCUIT CARD AS	NUDIG	61 X	1	1	0	100%
184	010458544	CIRCUIT CARD ASSEMB	MID	61A	1	1	0	100%
185	010450544	DOWED SUDDIV	NUDIC	612	7	6	1	868
186	010962977	POWER SUPPLY	MTR	61A	20	14	6	70%
187	010963727	POWER SUPPLY RECEIVER-TRANSMITTE RECEIVER-TRANSMITTE POWER AMPLIFIER POWER AMPLIFIER CONTROL, INTERCOMMUN CONTROL, INTERCOMMUN PROCESSOR PROCESSOR RECEIVER-TRANSMITTE	NORTS	61A	17	17	Ô	100%
188	010963727	RECEIVER-TRANSMITTE	MIR	61A	75	70	5	93%
189	011170348	POWER AMPLIFIER	NORTS	05A	2	0	2	0%
190	011170348	POWER AMPLIFIER	MIR	61A	10	7	- 1	70%
191	011364372	CONTROL INTERCOMMUN	NORIS	61A	1	1	0	100%
192	011364372	CONTROL, INTERCOMMUN	MIR	61A	4	3	1	75%
193	011790560	PROCESSOR	NORIS	61A	3	1	2	33%
194	011790560	PROCESSOR	MIR	05A	1	0	1	0%
195	012033480	RECEIVER-TRANSMITTE	NORIS	61A	13	13	0	100%
196	012033480	RECEIVER-TRANSMITTE	MIR	61A	60	58	1	97%
								•
		NORTH ISLAND TOTAL:			1130	894	234	79%
		NORTH ISLAND TOTAL: MIRAMAR TOTAL:			2150	1909	203	89%
		SUM TOTAL:						-
		SUM TOTAL:			3280	2803	437	85%
MOBK	CENTER 611	8						
		RECEIVER-TRANSMITTE	NORTS	61B	1	1	0	100%
		RECEIVER-TRANSMITTE		61B	3	1	2	33%
		CIRCUIT CARD ASSEMB		61B	3	3	ō	100%
		CIRCUIT CARD ASSEMB		61B	5	4	1	80%
		CIRCUIT CARD ASSEMB		61B	1	i	ō	100%
		CIRCUIT CARD ASSEMB		61B	1	ī	Ö	100%
		CIRCUIT CARD ASSEMB		61B	5	3	1	60%
		CIRCUIT CARD ASSEMB		61B	2	2	0	100% 33% 100% 80% 100% 100% 60%
		POWER SUPPLY		61B	12	11	1	92%
		POWER SUPPLY	MIR	61B	2	1	0	50%
207	001100938	CONVERTER, SIGNAL DA	NORIS	61B	39	39	0	100%
208	001100938	CONVERTER, SIGNAL DA	MIR	61B	70	70	0	100%
209	001101019	RECEIVER, RADAR	NORIS	61B	4	4	0	100%
		RECEIVER, RADAR	MIR	61B	17	17	0	100%
		RECEIVER-TRANSMITTE		61B	2	2	0	100%
		RECEIVER-TRANSMITTE		61B	28	26	2	93%
		RECEIVER, RADIO	NORIS	61B	1	1	0	100%
		RECEIVER, RADIO	MIR	61B	7	7	0	100%
		DECODER, PULSE	NORIS	61B	1	1	0	100%
		DECODER, PULSE	MIR	61B	7	7	0	100%
		CONTROL, NAVIGATION	NORIS	61B	15	15	0	100%
		CONTROL, NAVIGATION	MIR	61B	66	66	0	100%
219	001473199	RECEIVER-TRANSMITTE	NOR1S	61B	3	1	2	33%

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
220	001473199	RECEIVER-TRANSMITTE	MIR	61B	8	1	7	13%
221		DECODER, PULSE	NORIS	61B	1	1	0	100%
222	001485988	•	MIR	61B	5	5	0	100%
223	001485989		NORIS	61B	1	1	0	100%
224	001485989	•	MIR	61B	7	7	0	100%
225	001486170	*		61B	1	0	1	0%
226	001486170			61B	3	1	2	33%
227	001525089	AMPLIFIER, POWER	NORIS	61B	18	0	18	0%
228	001525089	AMPLIFIER, POWER	MIR	61B	31	1	30	3%
229	001631981	COMPUTER, RANGE	NORIS	61B	1	1	0	100%
230	001631981	COMPUTER, RANGE	MIR	61B	1	0	1	0%
231	001683630	CONVERTER-RECEIVER	NORIS	61B	12	5	7	42%
232	001683630	CONVERTER-RECEIVER	MIR	61B	7	3	4	43%
233	001683631	CONTROL, COMMUNICATI	NORIS	61B	4	4	0	100%
234	001683631	CONTROL, COMMUNICATI		61B	22	22	0	100%
235	001687813	RECEIVER-TRANSMITTE	NORIS	61B	3	3	0	100%
236	001687813	RECEIVER-TRANSMITTE	MIR	61B	1	1	0	100%
237	001687820	RECEIVER, RADAR	NORIS	61B	1	0	1	0%
238	001687820	RECEIVER, RADAR	MIR	61B	2	2	0	100%
239	001688765		NORIS	61B	4	4	0	100%
240	001688765	CONVERTER, SIGNAL DA	MIR	61B	2	2	0	100%
241	001688769	RECEIVER-TRANSMITTE	NORIS	61B	64	60	4	94%
242	001688769	RECEIVER-TRANSMITTE	MIR	61B	138	138	0	100%
243	001688770	MOUNTING BASE, ELECT	NORIS	61B	3	3	0	100%
244	001688770	MOUNTING BASE, ELECT	MIR	61B	7	7	0	100%
245	001688771	CONTROL, NAVIGATION	NORIS	61B	3	3	0	100%
246	001688771	CONTROL, NAVIGATION	MIR	61B	5	5	0	100%
247	001688856	CONTROL, RECEIVER	NORIS	61B	2	2	0	100%
248	001688856	CONTROL, RECEIVER	MIR	61B	9	9	0	100%
249	004917513	RECEIVER, RADIO	NORIS	61B	1	1	0	100%
250	004917513	RECEIVER, RADIO	MIR	61B	18	16	2	89%
251	004917514	DECODER, PULSE	NORIS	61B	5	5	0	100%
252	004917514	DECODER, PULSE	MIR	61B	15	15	0	100%
	006500503		NORIS	61B	30	28	1	93%
	006500503		MIR	61B	17	17	0	100%
		MODULE, RANGE	NORIS	61B	1	1	0	100%
		MODULE, RANGE	MIR	61B	1	1	0	100%
	007384906		NORIS	61B	1	1	0	100%
	007384906		MIR	61B	1	0	1	08
	008490055		NORIS	61B	14	14	0	100%
	008490055		MIR	61B	1	1	0	100%
		MODULE ASSY, RANGE	NORIS	61B	1	1	0	100%
		MODULE ASSY, RANGE	MIR	61B	11	4	7	36%
		MODULE ASSY	NORIS	61B	4	3	1	75%
		MODULE ASSY	MIR	61B	39	24	15	62%
		DECODER, RANGE	NORIS	61B	2	2	0	100%
		DECODER, RANGE	MIR	61B	4	4	0	100%
267	009331802	INDICATOR, HEIGHT	NORIS	61B	23	15	8	65%

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
						_	_	
		INDICATOR, HEIGHT		61B		1	3	25%
		MODULE ASSEMBLY, RF			2	1	1	50%
		MODULE ASSEMBLY, RF		61B	1		0	100%
		CONTROL, RECEIVER-TR			1		0	100%
		CONTROL, RECEIVER-TR		61B	2		2	0%
		RECEIVER-TRANSMITTE		61B	29	20		69%
		RECEIVER-TRANSMITTE		61B	12	5		42%
		ADAPTER, RECEIVER-TR		61B	2	2	0	100%
		ADAPTER, RECEIVER-TR		61B	10	7	3	70%
		RECEIVER-TRANSMITTE		61B	5		1	80%
		RECEIVER-TRANSMITTE		61B	140	138		99%
		RECEIVER-TRANSMITTE		61B	3	3	0	100%
		RECEIVER-TRANSMITTE		61B	7	7	0	100%
		RECEIVER-TRANSMITTE		61B	8	8	0	100%
		RECEIVER-TRANSMITTE		61B	14	14	0	100%
		RECEIVER-TRANSMITTE		61B	15	11	4	73%
284	010874423	RECEIVER-TRANSMITTE	MIR	61B	26	15	11	58%
285	010876196	RECEIVER-TRANSMITTE	NORIS	61B	1	0	1	0%
286	010876196	RECEIVER-TRANSMITTE	MIR	61B	17	11	5	65%
287	012047188	RECEIVER TRANSMITTE	NORIS	61B	21	20	1	95%
288	012047188	RECEIVER TRANSMITTE	MIR	61B	15	14	1	93%
		TRANSMITTER, RADAR	NORIS	61B	7	6	0	86%
290	012204975	TRANSMITTER, RADAR	MIR	61B	1	1	0	100%
		RECEIVER, RADAR	NORIS	61B	4	1	3	25%
		RECEIVER, RADAR	MIR	61B	4	1	3	25%
		AMPLIFIER, INTERMEDI	NORIS	61B	9	8	0	89%
		AMPLIFIER, INTERMEDI		61B	1	1	0	100%
		·						_
		NORTH ISLAND TOTAL:			395	325	66	82%
		MIRAMAR TOTAL:			817	704	110	868
								-
		SUM TOTAL:			1199	1029	176	86%
	CENTER 62							
		GYROSCOPE, DISPLACEM		62A	69	13	56	19%
296	001592298	GYROSCOPE, DISPLACEM	MIR	62A	64	16	48	25%
297	001827733	GYROSCOPE, DISPLACEM	NORIS	62A	6	0	6	0%
298	001827733	GYROSCOPE, DISPLACEM	MIR	62A	23	5	18	22%
299	004218890	SERVOMECHANISM, AMP	NORIS	62A	1	0	1	0%
300	004218890	SERVOMECHANISM, AMP	MIR	62A	25	2	23	88
		POWER SUPPLY	NORIS	62A	4	3	1	75%
302	004570312	POWER SUPPLY	MIR	62A	13	13	0	100%
		SWITCH, ROTARY	NORIS	62A	1	1	0	100%
		SWITCH, ROTARY	MIR	62A	9	9	0	100%
		GYROSCOPE, DISPLACEM	NORIS	62A	5	0	5	0%
		GYROSCOPE, DISPLACEM		62A	4	1	3	25%
		CONTROLLER, COMPASS		62A	3	1	2	33%
		•						

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
308	007403989	CONTROLLER, COMPASS	MTR	62A	1	1	0	100%
		GYROSCOPE, DISPLACEM		62A	1	ō	1	0%
		GYROSCOPE, DISPLACEM		62A	5	Ö	5	0%
		AMPLIFIER-POWER SUP		62A	14	13		93%
		AMPLIFIER-POWER SUP		62A	23	16	7	70%
		AMPLIFIER, SPECIAL	NORIS	05A	5	0	5	0%
		AMPLIFIER, SPECIAL	MIR	62A	25	24	0	96%
		COMPENSATOR, ELECTRO	NORIS	62A	26	11	15	42%
316	009060598	COMPENSATOR, ELECTRO	MIR	62A	13	4	9	31%
317	009190659	CONTROLLER, COMPASS	NORIS	62A	2	1	1	50%
318	009190659	CONTROLLER, COMPASS	MIR	62A	4	3	1	75%
319	009190663	GYROSCOPE, DISPLACEM	NORIS	62A	26	4	22	15%
320	009190663	GYROSCOPE, DISPLACEM	MIR	62A	4	1	3	25%
321	009280072	GYROSCOPE, DISPLACEM	NORIS	62A	10	1	9	10%
322	009280072	GYROSCOPE, DISPLACEM	MIR	62A	14	3	11	21%
		CONTROLLER, COMPASS		62A		1	1	50%
324	009930618	CONTROLLER, COMPASS	MIR	62A		1	0	100%
		AMPLIFIER, ELECTRONI		62A		0	1	0%
		AMPLIFIER, ELECTRONI	MIR	62A	12	12		100%
		LIGHT, INDICATOR	NORIS	62 <b>A</b>	3	2		67%
		LIGHT, INDICATOR	MIR	62A	4	1	3	25%
		AMPLIFIER, ELECTRONI		62 <b>A</b>	22	14		64%
		AMPLIFIER, ELECTRONI		62A	6	2		33%
		CONTROLLER COMPASS	NORIS	62A	1	1	0	100%
332	012783627	CONTROLLER COMPASS	MIR	62A	3	3	0	100%
		NORTH ISLAND TOTAL:			202	66	136	- 33%
		MIRAMAR TOTAL:			253			46%
		MINAMAN TOTAL.						-
		SUM TOTAL:			455	183	270	40%
	CENTER 62							-
		INDICATOR, VERTICAL	NORIS	62B	5	4	1	80%
		INDICATOR, VERTICAL	MIR	62B	4	2	1	50%
		INDICATOR, LIQUID QU		05A	3	0	3	08
		INDICATOR, LIQUID QU		62B	22	21	1	95%
		INDICATOR, VERTICAL	NORIS	62B	1	0	1	0%
	000563092	INDICATOR, VERTICAL	MIR	62B	2	2	0	100%
		ALTIMETER, ENCODER	NORIS	62B	1	1	0	100%
		ALTIMETER, ENCODER	MIR	62B	3	1	2	33%
	000755861	INDICATOR, TORQUEMET		05A	5	0	5	0%
	000755861	INDICATOR, TORQUEMET		62B	17	16	1	94%
	000763050	•	NORIS	62B	195	175	20	90%
		CLOCK, PANEL	MIR	62B	171	156	15	91%
	000861632	INDICATOR, ATTITUDE	NORIS	62B	5	2	3	40%
	000861632	INDICATOR, ATTITUDE	MIR	62B	12	10	2	83%
347	000863840	ALTIMETER, SERVO CON	NOKIS	62B	15	7	8	47%

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LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
348	000063040	ALTIMETER, SERVO CON	MTD	62B	151	123	25	81%
349	000803840	INDICATOR, BEARING-D		62B	4	123	3	25%
350	000897912	INDICATOR, BEARING-D		62B	51	39	12	76%
351	001341323	INDICATOR, ATTITUDE	NORIS	05A	1	0	1	0%
352	001341323	INDICATOR, ATTITUDE	MIR	62B	5	3	2	60%
353	001506510	INDICATOR, PRESSURE	NORIS	62B	9	6	3	67%
354	001506510	INDICATOR, PRESSURE	MIR	62B	42	41	1	98%
355	001506526		NORIS	62B	31	25	6	81%
356	001506526	•	MIR	62B	25	20	5	80%
357	00150528	INDICATOR, ATTITUDE	NORIS	62B	13	20 5	8	38%
358	001655838	INDICATOR, ATTITUDE	MIR	62B	142	106	36	75%
359	001633338	INDICATOR, BEARING-D	NORIS	62B	142	100	0	100%
360	001688308	INDICATOR, BEARING-D		62B	11	10	1	91%
361	001088308	INDICATOR, ATTITUDE	NORIS	05A	2	0	2	0%
362	001792655	•	MIR	62B	21	16	5	76%
363	001792035	INDICATOR, ATTITUDE ALTIMETER, SERVO CON		62B	3	3	0	100%
364	001795086			62B	52	42	10	81%
365	001795086	•		62B	1	1	0	100%
	002265700	ALTIMETER, PRESSURIZ ALTIMETER, PRESSURIZ		62B	2	1	1	50%
366 367	002285700	•		62B	19	17	2	89%
		•		62B	65	61	4	_
368	003274005	•					5	948
369	004056461		NORIS	62B	18	13		72%
370	004056461	•	MIR	05A	1	0	1	0%
371	004735046	INDICATOR, VERTICAL	NORIS	62B	2	1	1	50%
372	004735046	INDICATOR, VERTICAL	MIR	62B	1	1	0	100%
373	005145356	INDICATOR, POSITION	NORIS	62B	1	1	0	100%
374	005145356	INDICATOR, POSITION	MIR	62B	2	2	0	100%
375	005432534	INDICATOR, ELECTRICA		62B	4	4	0	100%
376	005432534	INDICATOR, ELECTRICA		62B	20	14	4	70%
377	005887611		NORIS	62B	2	2	0	100%
378	005887611		MIR	62B	9	9	0	100%
379	007935794	CLOCK, AIRCRAFT, MECH		62B	3	2	1	678
380		CLOCK, AIRCRAFT, MECH		62B	1	0	1	80
		CLOCK, AIRCRAFT, MECH		62B	8	7	1	88%
382		CLOCK, AIRCRAFT, MECH		62B	3	3	0	100%
		CLOCK, PANEL	NORIS	62B	18	13	5	72%
		CLOCK, PANEL	MIR	62B	10	8	1	808
	008821203	•	NORIS	62B	1	1	0	100%
	008821203	· · · · · · · · · · · · · · · · · · ·	MIR	62B	9	8	1	89%
387		ALTIMETER, SERVO CON		62B	8	6	2	75%
388		ALTIMETER, SERVO CON		62B	28	27	1	96%
	009123285	INDICATOR, BEARING	NORIS	62B	7	5	2	71%
	009123285	· · · · · · · · · · · · · · · · · · ·	MIR	62B	4	4	0	100%
		INDICATOR, TURN AND	NORIS	62B	10	8	2	80%
	009123572	INDICATOR, TURN AND	MIR	62B	63	61	2	978
	009680612	INDICATOR, POSITION	NORIS	62B	1	1	0	100%
	009680612	INDICATOR, POSITION	MIR	62B	2	2	0	100%
395	009834383	TRANSMITTER, PRESSUR	NORIS	62B	1	1	0	100%

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
206	000034303	TRANSMITTER, PRESSUR	MTD	62B	4	1	3	25%
		TRANSMITTER, PRESSUR		62B	20	9	11	45%
		TRANSMITTER, PRESSUR		62B	1	0	1	08
		INDICATOR, ANGLE OF	NORIS	62B	1	1	Ō	100%
		INDICATOR, ANGLE OF	MIR	62B	55	55	ő	100%
		INDICATOR, BEARING-D		62B	7	6	ĭ	86%
		INDICATOR, BEARING-D		62B	15	14	î	93%
		INDICATOR, ATTITUDE		05A	1	0	ī	98
		INDICATOR, ATTITUDE		62B	16	15		94%
		INDICATOR BEARING-D		62B	6	2	4	33%
		INDICATOR BEARING-D		62B	10	9	1	90%
		CLOCK, PANEL	NORIS	62B	18	1.3		72%
		CLOCK, PANEL	MIR	62B	18	17	1	948
								-
		NORTH ISLAND TOTAL:			451	344	107	76%
		MIRAMAR TOTAL:			1070	920	143	86%
								_
		SUM TOTAL:			1521	1264	250	83%
	CENTER 621							
		BATTERY, STORAGE	NORIS	62D	245		3	99%
410	010278706	BATTERY, STORAGE	MIR	62D	519	446	73	86%
		NORTH ISLAND TOTAL:			245		3	-
		MIRAMAR TOTAL:			519	446	73	86%
								_
		SUM TOTAL:			764	688	76	90%
WORK	CENTER 621	n						
		CIRCUIT CARD ASSEMB	NODIC	62F	2	2	0	100%
		CIRCUIT CARD ASSEMB		62E 62E	3 6	3 6	0	100%
			NORIS			22	0	100%
		·	MIR	62E 62E	22 8	8	0	100%
		EXCITER ASSY	NORIS		3	3		100%
		EXCITER ASSY	MIR	62E	7	6		86%
			NORIS		3	3		100%
			MIR	62E	2	0	2	0%
		REGULATOR, VOLTAGE			1	1	ő	100%
		•	MIR	62E	10		0	100%
			NORIS		5	4	1	80%
		PANEL ASSEMBLY	MIR	62E	23	9		
		GENERATOR, ALTERNATI			23	1	1	50%
		GENERATOR, ALTERNATI		62E	22	6	16	
767	VALTV&&30	CENTERIOR, BLIERIALL	MIN	VZE				- 4 7 To
		NORTH ISLAND TOTAL:			39	37	2	95%
		MIRAMAR TOTAL:			78	45	33	
					, 5			

LINE	NTTN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
DIME								
		SUM TOTAL:			117	82	35	70%
MODIZ	ORNMED COR	7						
WURK 425	CENTER 62F	POWER SUPPLY POWER SUPPLY INERTIAL MEASURING INERTIAL MEASURING POWER SUPPLY POWER SUPPLY	NORTS	62F	3	2	1	67%
425	000925951	DOWER SUFFLI	MTR	62F	1	1	ō	100%
420	0100923931	INERTIAL MEASURING	NORTS	62F	3	3	Ŏ	100%
428	010041603	INERTIAL MEASURING	MIR	62F	3	3	Ō	100%
429	010041616	POWER SUPPLY POWER SUPPLY GIMBAL ASSEMBLY	NORIS	62F	32	27	5	84%
430	010041616	POWER SUPPLY	MIR	62F	115	111	4	97%
421	กากาากตรร	CTMRAI ASSEMBLY	NORIS	62F	34	32	2	94%
432	010110855	GIMBAL ASSEMBLY	MIR	62F	140	112	28	80%
433	010294982	COMPUTER, AIR NAVIGA	NORIS		193	173	20	90%
		COMPUTER, AIR NAVIGA		62F	112	92		82%
435	010794218	INERTIAL MEASURING	NORIS	62F	239			
436	010794218	INERTIAL MEASURING	MIR		583	575	8	99%
437	010971046	TEST SET, NAVIGATION	NORIS	62F	3	3		
438	010971046	TEST SET, NAVIGATION	MIR	62F	1	1	0	100%
		INERTIAL MEASUREMEN		62F	1	1	0	
440	011435647	INERTIAL MEASUREMEN	MIR	62F	7	0	7	_
441	011785077	CIRCUIT CARD ASSEMB	NORIS	62F	1	1	0	
442	011785077	CIRCUIT CARD ASSEMB	MIR	62F	2	0	2	
443	012168096	CIRCUIT CARD ASSEMB CIRCUIT CARD ASSEMB COMPUTER, AIR NAVIGA	NORIS	05A	3	0	3	0%
444	012168096	COMPUTER, AIR NAVIGA	MIR	62F	9		U	80%
		NORTH ISLAND TOTAL:			24/	1163	32	87% 94%
		MIRAMAR TOTAL:			1234		65	
		SUM TOTAL:					97	
		Som Total.			1401	13,0		200
WORK	CENTER 640	0						
		INDICATOR, AZIMUTH	NORIS	05A	7	0	7	98
		INDICATOR, AZIMUTH	MIR	640	1	1	0	100%
		PROGRAMMER ASSY	NORIS	640	7	1	6	14%
448	001487279	PROGRAMMER ASSY	MIR	640	25	25	0	
449	001773419	HOUSING, DISPENSER	NORIS	640	2	2		
450	001773419	HOUSING, DISPENSER	MIR	640	2	2		_
451	004890663	HOUSING, DISPENSER	NORIS	640	1	1		_
		HOUSING, DISPENSER	MIR	640	29			
453	010495316	DISPENSER, COUNTERME		640	1	1		
454	010495316	DISPENSER, COUNTERME	MIR	640	41	28	13	68%
								206
		NORTH ISLAND TOTAL:			18			
		MIRAMAR TOTAL:			98	85	13	87%
		athe mama:			116		26	- 78%
		SUM TOTAL:			116	90	26	/016

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
WORK	CENTER 651	4						
		CSIU ASSEMBLY	NORIS	65H	1	1	0	100%
		CSIU ASSEMBLY	MIR	65H	5	5	0	100%
		NORTH ISLAND TOTAL:			1	1	0	- 100%
		MIRAMAR TOTAL:			5	5	0	
		SUM TOTAL:			6	6	0	- 100%
WORK	CENTER 651	₽						
		TRANSLATOR, SIGNAL D			4	1	3	25%
		TRANSLATOR, SIGNAL D			1	1	0	100%
		TRANSLATOR, SIGNAL D			5 2	3	2	60%
		TRANSLATOR, SIGNAL D		05A	2	0	2	0%
		SYNTHESIZER, ELECTRI			5	3	2	60%
		SYNTHESIZER, ELECTRI		65P	2	0	2	0%
463	002138632	CIRCUIT CARD ASSEMB	NORIS	65P	10	7		70ቄ
464	002138632	CIRCUIT CARD ASSEMB	MIR	05A	4	0	4	98
465	002527914	AMPLIFIER, RADIO FRE	NORIS	65P	15	6	9	40%
466	002527914	AMPLIFIER, RADIO FRE	MIR	05A	21	0	21	0%
467	002834366	AMPLIFIER ASSEMBLY	NORIS	65P	3	3	0	100%
468	002834366	AMPLIFIER ASSEMBLY	MIR	65P	2	0		90
469	010064141	AMPLIFIER ASSEMBLY	NORIS	65P	16	16	0	100%
470	010064141	AMPLIFIER ASSEMBLY	MIR	65P	3	2		67%
471	010094247	CIRCUIT CARD ASSY	NORIS		1	1	0	100%
472	010094247	CIRCUIT CARD ASSY	MIR	65P	1	1	0	100%
		NORTH ISLAND TOTAL:			59	40	19	
		MIRAMAR TOTAL:			36	4	32	11%
		SUM TOTAL:			95	44	51	46%
	CENTER 650	<del>-</del>						
		TRANSPORT, MAGNETIC	NORIS	65Q	30	30	0	100%
474	001403009	TRANSPORT, MAGNETIC	MIR	65Q	17	17	0	100%
475	001404950	CIRCUIT CARD ASSEMB	NORIS	65Q	2	2	0	100%
476	001404950	CIRCUIT CARD ASSEMB	MIR	65Q	4	3	1	75%
		CIRCUIT CARD ASSEMB		65Q	2	2	0	100%
		CIRCUIT CARD ASSEMB		65Q	3	3	0	100%
		MODULATOR-AMPLIFIER		65Q	1	1	0	100%
		MODULATOR-AMPLIFIER		65Q	3	1	2	33%
481	001635501	OSCILLATOR, LOW FREQ	NORIS	65Q	1	1	0	100%
482	001635501	OSCILLATOR, LOW FREQ	MIR	65Q	1	1	0	100%
483	001645512	GENERATOR, PULSE	NORIS	65Q	1	0	1	0%

LINE	NIIN	NOMEN	AIMD	WC	PROC	RF1	BCM	RFI %
484	001645512	GENERATOR, PULSE	MIR	65Q	1	0	1	0%
485	001656690	POWER SUPPLY	NORIS	05A	2	0	2	80
486	001656690	POWER SUPPLY	MIR	65Q			2	71%
487	001660416	OSCILLOSCOPE	NORIS	65Q		1		100%
		OSCILLOSCOPE	MIR	05A		0	1	80
		CIRCUIT CARD ASSEMB		65Q	1	1	0	100%
		CIRCUIT CARD ASSEMB		65Q	3	3	0	100%
		CIRCUIT CARD ASSEMB			3	3	0	100%
		CIRCUIT CARD ASSEMB		65Q	4	4	0	100%
		CIRCUIT CARD ASSEMB		05A	2	0	2	80
		CIRCUIT CARD ASSEMB		65Q	1	1	0	100%
		CIRCUIT CARD ASSEMB			3	1	2	33%
		CIRCUIT CARD ASSEMB		65Q	1	1	0	100%
		CIRCUIT CARD ASSEMB			1		0	100%
		CIRCUIT CARD ASSEMB		65Q	2	2	0	100%
		CIRCUIT CARD ASSEMB			Ţ	0	1	0%
		CIRCUIT CARD ASSEMB		65Q	2	6	0	100ዩ 100ዩ
		CIRCUIT CARD ASSEMB			2	6 3		100%
		CIRCUIT CARD ASSEMB		65Q	2	3 2		100%
		CIRCUIT CARD ASSEMB		65Q	1	1		100%
		CIRCUIT CARD ASSEMB		65Q	2	2		100%
		CIRCUIT CARD ASSEMB		65Q	1	1		100%
		INTERVAL METER ASSE		65Q 65Q	14	14		100%
		INTERVAL METER ASSE		65Q	19	19		100%
		CONTROL SWITCH	NORIS	65Q	3	3		100%
510	LLR952012			650	9	9		100%
511	LLR952021	SWITCH ASSY	MIR NORIS MIR	65Q	10			100%
512	LLR952021	SWITCH ASSY	MIR	650	8	8		100%
513	LLR952033	SERVO ANAYLYZER	NORIS	650	4			100%
514	LLR952033	SERVO ANAYLYZER	MIR	650	1	1	0	100%
515	LLR952044	PRGM DIGITAL READ 0	NORIS	65Q	14	14		100%
516	LLR952044	PRGM DIGITAL READ 0	MIR	65Q	15	15	0	100%
517	LLR952046	GENERATOR PULSE	NORIS	65Q	13	13	0	100%
518	LLR952046	GENERATOR PULSE	MIR	65Q	21	21	0	100%
		DIGITAL SUB-ASSY	NORIS	65Q	13	13	0	100%
		DIGITAL SUB-ASSY	MIR	65Q	32	32	0	100%
		DC POWER SUPPLY	NORIS	65Q	8	8	0	100%
			MIR	65Q	14	14	0	100%
		AC POWER SUPPLY	NORIS	65Q	3	3	0	100%
		AC POWER SUPPLY	MIR	65Q	3	3	0	100%
		RF MEASURE AUGMENTR		65Q	13		0	100%
526	LLR952080	RF MEASURE AUGMENTR	MIR	65Q	2	2	0	100%
		NORTH ISLAND TOTAL:			156	148	8	- 95ፄ
		MIRAMAR TOTAL:			179	172	7	
								-
		SUM TOTAL:			335	320	15	96%

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
WORK	CENTER 655	5						
527	001645544	MULTIMETER, DIGITAL	NORIS	65S	2	2	0	100%
528	001645544	MULTIMETER, DIGITAL	MIR	65S	1	1	0	100%
		CIRCUIT CARD ASSEMB		65S	1	1		100%
		CIRCUIT CARD ASSEMB		65S	2		0	100%
		MULTIMETER, DIGITAL	NORIS	65S	23	23		100%
		•	MIR	65S	33	33	0	100%
		POWER SUPPLY	NORIS	65S	1	0	1	0%
		POWER SUPPLY	MIR	65S	4	0	4	0%
		SIGNAL GENERATOR SU		65S	4	4	0	100%
		SIGNAL GENERATOR SU		65S	14	14		100%
		GENERATOR DELAY	NORIS	65S	4	4	0	100%
		GENERATOR DELAY	MIR	65S	12	12		100%
		SIGNAL GENERATOR	NORIS	65S	5	5		100%
		SIGNAL GENERATOR	MIR	65S	12	12		100%
		SIGNAL GENERATOR	NORIS	65S	7	7		100%
		SIGNAL GENERATOR	MIR	65S	6	6		100%
		SERVO ANALYZER	NORIS	65S	3	3		100%
		SERVO ANALYZER	MIR	65S	6	6		100%
		SYNCHRO RESOLVER ST		65S	9	9		100%
		SYNCHRO RESOLVER ST		65S	11	11	0	100%
		PHASE SENSITIVE	NORIS	65S	4	4	0	100%
		PHASE SENSITIVE	MIR	65S	16	16		100%
		PRESSURE GENERATOR	NORIS	65S	3	3		100%
		PRESSURE GENERATOR	MIR	65S	3	3		100%
		FUNCTION GENERATOR	NORIS	65S	4	4		100%
		FUNCTION GENERATOR		65S	20	20	0	100%
		LOW FREQ WAVE ANALY		65S	6	6		100%
		LOW FREQ WAVE ANALY		65S	3	3		100%
		RMS GENERATOR	NORIS	65S	56	56	0	100%
		RMS GENERATOR	MIR	65S	71	71	0	100%
		ANALYZER, LOW FREQUE		65S	5	5	0	100%
		ANALYZER, LOW FREQUE	MIR	65S	2	2	0	100%
			NORIS	65S	3	3	0	100%
		RATIO TRANSFORMER	MIR	65S	3	3	0	100%
		DC POWER SUPPLY	NORIS	65S	12	12	0	100%
		DC POWER SUPPLY	MIR	65S	5	5	0	100%
		PRECISION RESISTIVE		65S	3	3	0	100%
564	LLR952066	PRECISION RESISTIVE	MIR	65S	8	8	0	100 <b>%</b> -
		NORTH ISLAND TOTAL:			155	154	1	998
		MIRAMAR TOTAL:			232	228	4	98% -
		SUM TOTAL:			387	382	5	998

NOME									
565         000013733         WRENCH, TORQUE         MIR         670         6         6         0         1008           566         000031443         TEST SET, RADAR         MORIS         670         1         1         0         1008           568         000031443         TEST SET, RADAR         MIR         670         15         15         0         1008           569         000033770         TEST SET, BENCH         MIR         670         14         14         0         1008           571         000049536         MULTIMETER         MIR         670         7         6         0         868           572         000049536         MULTIMETER         MIR         670         7         6         0         868           573         000181504         TEST SET         MIR         670         1         1         0         1008           574         000181504         TEST SET         MIR         670         6         6         0         1008           575         000201366         CALIBRATOR, COMPASS         MIR         670         6         6         0         1008           578         000326306         CAL	LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
565         000013733         WRENCH, TORQUE         MIR         670         6         6         0         1008           566         000031443         TEST SET, RADAR         MORIS         670         1         1         0         1008           568         000031443         TEST SET, RADAR         MIR         670         15         15         0         1008           569         000033770         TEST SET, BENCH         MIR         670         14         14         0         1008           571         000049536         MULTIMETER         MIR         670         7         6         0         868           572         000049536         MULTIMETER         MIR         670         7         6         0         868           573         000181504         TEST SET         MIR         670         1         1         0         1008           574         000181504         TEST SET         MIR         670         6         6         0         1008           575         000201366         CALIBRATOR, COMPASS         MIR         670         6         6         0         1008           578         000326306         CAL									
565         000013733         WRENCH, TORQUE         MIR         670         6         6         0         1008           566         000031443         TEST SET, RADAR         MORIS         670         1         1         0         1008           568         000031443         TEST SET, RADAR         MIR         670         15         15         0         1008           569         000033770         TEST SET, BENCH         MIR         670         14         14         0         1008           571         000049536         MULTIMETER         MIR         670         7         6         0         868           572         000049536         MULTIMETER         MIR         670         7         6         0         868           573         000181504         TEST SET         MIR         670         1         1         0         1008           574         000181504         TEST SET         MIR         670         6         6         0         1008           575         000201366         CALIBRATOR, COMPASS         MIR         670         6         6         0         1008           578         000326306         CAL	WORK	CENTER 670	0						
566   000013433   MRENCH, TORQUE   MIR   670   6   6   0   1008				NORTS	670	79	67	12	85%
567         000031443         TEST SET,RADAR         NORIS         670         1         1         0         1008           568         000031470         TEST SET,BENCH         NORIS         670         3         3         0         1008           570         000049536         MULTIMETER         NORIS         670         14         14         0         1008           572         000049536         MULTIMETER         NORIS         670         7         6         0         868           572         000049536         MULTIMETER         MIR         670         1         1         0         1008           573         000181504         TEST SET         MIR         670         1         1         0         1008           574         000181504         TEST SET         MIR         670         6         6         0         1008           575         000201366         CALIBRATOR, COMPASS         NORIS         670         6         6         0         1008           578         000326306         CALIBRATOR, COMPASS         NORIS         670         1         1         0         1008           581         000533172									
568         000031443         TEST SET, RADAR         MIR         670         15         15         0         1008           569         000033770         TEST SET, BENCH         NORIS         670         14         14         0         1008           571         000049536         MULTIMETER         NORIS         670         7         6         0         868           572         000049536         MULTIMETER         MIR         670         1         1         0         1008           573         000181504         TEST SET         MIR         670         1         1         0         1008           575         000201366         MORIS         670         1         1         0         1008           576         000201366         MORIS         670         6         6         0         1008           577         000326306         CALIBRATOR,COMPASS         NORIS         670         1         1         0         1008           578         000326306         CALIBRATOR,COMPASS         MIR         670         1         1         0         1008           579         000533073         OHMBETER         MIR         670									
569         000033770         TEST SET, BENCH         NORIS         670         3         3         0         100%           570         000033770         TEST SET, BENCH         MIR         670         14         14         0         100%           571         000049536         MULTIMETER         MIR         670         1         1         0         100%           573         000181504         TEST SET         NORIS         670         1         1         0         100%           574         000181504         TEST SET         MIR         670         1         1         0         100%           575         000201366         NORIS         670         6         6         0         100%           576         000326306         CALIBRATOR, COMPASS         NORIS         670         1         1         0         100%           579         000326306         CALIBRATOR, COMPASS         MIR         670         2         2         0         100%           581         000533073         OHMETER         MIR         670         3         3         0         100%           582         000533073         OHMETER         MIR									
570         000033770         TEST SET, BENCH         MIR         670         14         14         0         1008           571         000049536         MULTIMETER         NORIS         670         1         11         0         1008           573         000181504         TEST SET         NORIS         670         1         1         0         1008           574         000181504         TEST SET         MIR         670         1         1         0         1008           575         000201366         MIR         670         6         6         0         1008           576         000201366         CALIBRATOR, COMPASS         NORIS         670         6         6         0         1008           579         000326306         CALIBRATOR, COMPASS         MIR         670         2         2         0         1008           580         0003263073         OHMMETER         MIR         670         3         3         0         1008           581         000533112         OSCILLOSCOPE         MIR         670         3         3         0         1008           582         000731664         FREQUENCY MEASURING									
571 000049536 MULTIMETER MIR 670 11 11 0 1008 572 000049536 MULTIMETER MIR 670 11 11 0 1008 573 000181504 TEST SET NORIS 670 1 1 0 1008 574 000181504 TEST SET MIR 670 1 1 0 1008 575 000201366 MIR 670 6 6 0 1008 576 000201366 MIR 670 6 6 6 0 1008 577 000326306 CALIBRATOR,COMPASS NORIS 670 1 1 0 1008 578 000326306 CALIBRATOR,COMPASS NORIS 670 1 1 0 1008 579 000533073 OHHMETER NORIS 670 6 6 0 1008 580 000533073 OHHMETER NORIS 670 6 6 0 1008 581 000533112 OSCILLOSCOPE NORIS 670 6 6 0 1008 582 000533112 OSCILLOSCOPE NORIS 670 3 3 0 1008 583 000708816 LOAD BANK,POWER SUP MIR 670 1 1 0 1008 584 000708816 LOAD BANK,POWER SUP MIR 670 1 1 0 1008 585 000711664 FREQUENCY MEASURING NORIS 670 1 1 0 1008 586 000711664 FREQUENCY MEASURING MIR 670 1 1 0 1008 587 000790685 TEST SET,DIRECTION NORIS 670 1 1 0 1008 588 000790685 TEST SET,DIRECTION NORIS 670 1 1 0 1008 589 000871227 TEST SET,SIMULATOR NORIS 670 1 1 0 1008 590 000871227 TEST SET,DATA LINK NORIS 670 4 4 0 1008 591 000894977 TEST SET,DATA LINK NORIS 670 4 4 0 1008 592 000894977 TEST SET,DATA LINK NORIS 670 4 4 0 1008 593 000903409 ANALYZER,JET CALIBR NORIS 670 4 4 0 1008 594 000903409 ANALYZER,JET CALIBR NORIS 670 5 0 1008 595 001116074 SERVICING-UNIT NIT NIR 670 7 7 0 1008 596 001116074 SERVICING-UNIT NIT NIR 670 7 7 0 1008 597 001244336 TIRE INFLATOR ASSEM MIR 670 2 2 0 1008 598 001144854 ELECTRON TUBE NORIS 670 4 0 1008 599 001244336 TIRE INFLATOR ASSEM MIR 670 7 7 0 1008 599 001244336 TIRE INFLATOR ASSEM MIR 670 2 2 0 1008 500 001346533 TEST SET,TRANSPONDE MIR 670 7 7 0 1008 500 001346533 TEST SET,TRANSPONDE MIR 670 7 7 0 1008 500 001346533 TEST SET,TRANSPONDE MIR 670 7 7 0 1008 500 001346533 TEST SET,TRANSPONDE MIR 670 7 7 0 1008 500 001346533 TEST SET,TRANSPONDE MIR 670 7 7 0 1008 500 001346538 OHMMETER NORIS 670 7 7 0 1008 500 001346538 OHMMETER NORIS 670 7 7 0 1008 500 00134558 OHMMETER NORIS 670 7 7 0 1008 500 00143558 OHMMETER NORIS 670 7 9 8 0 1008									
572         000049536         MULTIMETER         MIR         670         11         10         100%           573         000181504         TEST         SET         NORIS         670         1         1         0         100%           575         000201366         NORIS         670         6         6         0         100%           576         000221366         CALIBRATOR, COMPASS         NORIS         670         1         1         0         100%           577         000326306         CALIBRATOR, COMPASS         MIR         670         6         6         0         100%           579         000533073         OHMMETER         MIR         670         3         3         0         100%           581         000533112         OSCILLOSCOPE         MORIS         670         3         3         0         100%           582         000533112         OSCILLOSCOPE         MIR         670         1         1         0         100%           583         000708816         LOAD BANK, POWER SUP         MIR         670         1         1         0         100%           585         000711664         FREQUENCY MEASURING <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
573         000181504         TEST         NORIS         670         1         1         0         100%           574         000181504         TEST         MIR         670         1         1         0         100%           575         000201366         NORIS         670         6         6         0         100%           577         000326306         CALIBRATOR, COMPASS         NORIS         670         1         1         0         100%           578         000323073         OHMMETER         NORIS         670         6         6         0         100%           580         000533073         OHMMETER         MIR         670         3         3         0         100%           581         000533112         OSCILLOSCOPE         NORIS         670         3         3         0         100%           583         000708816         LOAD BANK, POWER SUP         MIR         670         1         1         0         100%           584         000708816         LOAD BANK, POWER SUP         MIR         670         1         1         0         100%           585         000711664         FREQUENCY MEASURING         <									
574   000181504   TEST SET									
S75   000201366								-	
576         000201366         MIR         670         6         6         0         100%           577         000326306         CALIBRATOR,COMPASS         NORIS         670         1         1         0         100%           579         000533073         OHMMETER         NORIS         670         6         6         0         100%           581         000533112         OSCILLOSCOPE         NORIS         670         3         3         0         100%           582         000533112         OSCILLOSCOPE         MIR         670         1         1         0         100%           583         000708816         LOAD BANK, POWER SUP MIR         670         1         1         0         100%           584         00071864         FREQUENCY MEASURING         NORIS         670         1         1         0         100%           585         000711664         FREQUENCY MEASURING         MIR         670         1         1         0         100%           586         000711664         FREQUENCY MEASURING         MIR         670         1         1         0         100%           587         000790685         TEST SET, SIMULATOR <td></td> <td></td> <td>TEST SET</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			TEST SET						
577 000326306 CALIBRATOR, COMPASS NORIS 670 1 1 0 100% 578 000326306 CALIBRATOR, COMPASS MIR 670 2 2 0 100% 579 000533073 OHMMETER NORIS 670 6 6 0 100% 580 000533073 OHMMETER MIR 670 3 3 0 100% 581 000533112 OSCILLOSCOPE NORIS 670 3 3 0 100% 582 000533112 OSCILLOSCOPE MIR 670 1 1 0 100% 583 000708816 LOAD BANK, POWER SUP NORIS 670 1 1 0 100% 584 000708816 LOAD BANK, POWER SUP MIR 670 1 1 0 100% 585 000711664 FREQUENCY MEASURING MIR 670 1 1 0 100% 586 000711664 FREQUENCY MEASURING MIR 670 1 1 0 100% 587 000790685 TEST SET, DIRECTION NORIS 670 1 1 0 100% 588 000790685 TEST SET, DIRECTION MIR 670 2 2 0 100% 589 000871227 TEST SET, SIMULATOR NORIS 670 2 2 0 100% 590 000871227 TEST SET, SIMULATOR NORIS 670 2 2 0 100% 591 000894977 TEST SET, DATA LINK NORIS 670 4 4 0 100% 592 000894977 TEST SET, DATA LINK NORIS 670 4 4 0 100% 593 000903409 ANALYZER, JET CALIBR NORIS 670 4 4 0 100% 595 001116074 SERVICING-UNIT NIT MIR 670 1 1 0 100% 596 001116074 SERVICING-UNIT NIT MIR 670 2 2 0 100% 599 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 599 001244336 TIRE INFLATOR ASSEM MIR 670 7 7 0 100% 599 001244336 TIRE INFLATOR ASSEM MIR 670 2 2 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 2 2 0 100% 601 001260196 GENERATOR, SIGNAL MIR 670 7 7 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 2 2 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 2 2 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 2 2 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 7 7 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 2 2 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 7 7 9 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 7 7 9 0 100% 600 001345533 TEST SET, TRANSPONDE MIR 670 7 7 9 0 100% 600 001345533 TEST SET, TRANSPONDE MIR 670 7 7 9 0 100% 600 001345533 TEST SET, TRANSPONDE MIR 670 7 7 9 0 100% 600 001345533 TEST SET, TRANSPONDE MIR 670 7 7 9 0 100% 600 001345533 TEST SET, TRANSPONDE MIR 670 5 5 0 100% 600 001345533 TEST SET, TRANSPONDE MIR 670 7 7 9 0 100% 600 001345533 MEMORY FILL UNIT MIR 670 6 6 0 100% 600 001405537 MEMORY FILL UNIT									
578 000326306 CALIBRATOR, COMPASS MIR 670 2 2 0 100% 579 000533073 OHMMETER NORIS 670 6 6 0 100% 580 000533073 OHMMETER MIR 670 3 3 0 100% 581 000533112 OSCILLOSCOPE NORIS 670 3 3 0 100% 582 000533112 OSCILLOSCOPE MIR 670 1 1 0 100% 583 000708816 LOAD BANK, POWER SUP MIR 670 1 1 0 100% 584 000708816 LOAD BANK, POWER SUP MIR 670 1 1 0 100% 585 000711664 FREQUENCY MEASURING NORIS 670 1 1 0 100% 586 000711664 FREQUENCY MEASURING NORIS 670 1 1 0 100% 587 000790685 TEST SET, DIRECTION NORIS 670 1 1 0 100% 588 000790685 TEST SET, DIRECTION MIR 670 2 2 0 100% 589 000871227 TEST SET, SIMULATOR NORIS 670 2 2 0 100% 590 000871227 TEST SET, SIMULATOR NORIS 670 2 2 0 100% 591 000894977 TEST SET, DATA LINK MIR 670 7 7 0 100% 592 000894977 TEST SET, DATA LINK MIR 670 14 14 0 100% 593 000903409 ANALYZER, JET CALIBR NORIS 670 4 4 0 100% 594 000903409 ANALYZER, JET CALIBR NORIS 670 4 4 0 100% 595 001116074 SERVICING-UNIT NIT NORIS 670 5 5 0 100% 596 001116074 SERVICING-UNIT NIT NORIS 670 7 7 0 100% 597 001144854 ELECTRON TUBE MIR 670 7 7 0 100% 598 001144854 ELECTRON TUBE MIR 670 7 7 0 100% 599 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 600 001244336 TIRE INFLATOR ASSEM NORIS 670 7 7 0 100% 600 001244337 TEST SET, TRANSPONDE MIR 670 7 7 0 100% 601 001260196 GENERATOR, SIGNAL MIR 670 2 2 0 100% 602 001260196 GENERATOR, SIGNAL MIR 670 7 7 0 100% 603 001341533 TEST SET, TRANSPONDE MIR 670 7 7 0 100% 604 001341533 TEST SET, TRANSPONDE MIR 670 7 7 0 100% 605 001356978 PLUG-IN UNIT, ELECTR MIR 670 7 7 0 100% 606 001356978 PLUG-IN UNIT, ELECTR MIR 670 5 5 0 100% 607 0014055137 MEMORY FILL UNIT MORIS 670 5 5 0 100% 608 001403558 OHMMETER MORIS 670 6 6 0 100% 609 001413558 OHMMETER MORIS 670 7 7 9 8 0 89% 610 001413558 OHMMETER MORIS 670 7 9 8 8 89% 610 001413558 OHMMETER MORIS 670 7 1 1 11 0 100%			CALLEDAMOD COMPACE						
579         000533073         OHMMETER         NORIS         670         6         6         0         100%           580         000533073         OHMMETER         MIR         670         3         3         0         100%           581         000533112         OSCILLOSCOPE         MORIS         670         1         1         0         100%           583         000708816         LOAD BANK, POWER SUP MIR         670         1         1         0         100%           584         000708816         LOAD BANK, POWER SUP MIR         670         1         1         0         100%           585         000711664         FREQUENCY MEASURING         MORIS         670         1         1         0         100%           586         000711664         FREQUENCY MEASURING         MIR         670         1         1         0         100%           587         000790685         TEST SET, DIRECTION         MIR         670         1         1         0         100%           588         000790685         TEST SET, DIRECTION         MIR         670         2         2         0         100%           589         000871227         TEST									
580 000533073 OHMMETER MIR 670 3 3 0 100% 581 000533112 OSCILLOSCOPE NORIS 670 3 3 0 100% 582 000533112 OSCILLOSCOPE MIR 670 1 1 0 100% 583 000708816 LOAD BANK,POWER SUP NORIS 670 1 1 0 100% 584 000708816 LOAD BANK,POWER SUP MIR 670 4 4 0 100% 585 000711664 FREQUENCY MEASURING NORIS 670 1 1 0 100% 586 000711664 FREQUENCY MEASURING NORIS 670 1 1 0 100% 587 000790685 TEST SET,DIRECTION NORIS 670 1 1 0 100% 588 000790685 TEST SET,DIRECTION NORIS 670 1 1 0 100% 589 000871227 TEST SET,SIMULATOR NORIS 670 2 2 0 100% 590 000871227 TEST SET,SIMULATOR NORIS 670 2 2 0 100% 591 000894977 TEST SET,DATA LINK NORIS 670 2 2 0 100% 592 000894977 TEST SET,DATA LINK NORIS 670 4 4 0 100% 593 000903409 ANALYZER,JET CALIBR NORIS 670 4 4 0 100% 594 000903409 ANALYZER,JET CALIBR NORIS 670 4 4 0 100% 595 001116074 SERVICING-UNIT NIT NORIS 670 4 4 0 100% 596 001116074 SERVICING-UNIT NIT NORIS 670 7 7 0 100% 597 001144854 ELECTRON TUBE NIR 670 7 7 0 100% 598 001144854 ELECTRON TUBE NIR 670 7 7 0 100% 599 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 600 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 601 001260196 GENERATOR,SIGNAL NORIS 670 7 7 0 100% 603 001341533 TEST SET,TRANSPONDE NORIS 670 7 7 0 100% 604 001356978 PLUG-IN UNIT, ELECTR MIR 670 7 7 0 100% 605 001356978 PLUG-IN UNIT, ELECTR MIR 670 5 5 0 100% 606 001356978 PLUG-IN UNIT, ELECTR MIR 670 5 5 0 100% 607 001405137 MEMORY FILL UNIT NORIS 670 6 6 0 100% 609 001413558 OHMMETER NORIS 670 9 8 0 89% 610 001413558 OHMMETER NORIS 670 9 8 0 89% 610 001413558 OHMMETER NORIS 670 9 8 0 89%									
581         0005333112         OSCILLOSCOPE         NORIS         670         3         3         0         100%           582         000533112         OSCILLOSCOPE         MIR         670         1         1         0         100%           584         000708816         LOAD BANK, POWER SUP         NORIS         670         4         4         0         10%           585         000711664         FREQUENCY MEASURING         NORIS         670         1         1         0         100%           586         000711664         FREQUENCY MEASURING         MIR         670         1         1         0         100%           587         000790685         TEST SET, DIRECTION         NORIS         670         1         1         0         100%           589         000871227         TEST SET, SIMULATOR         NORIS         670         2         2         0         100%           590         000871227         TEST SET, SIMULATOR         MIR         670         7         7         0         100%           591         000894977         TEST SET, DATA LINK         MIR         670         4         4         0         100%           5									
582         000533112         OSCILLOSCOPE         MIR         670         1         1         0         100%           583         000708816         LOAD BANK, POWER SUP         NORIS         670         1         1         0         100%           585         000711664         FREQUENCY MEASURING         NORIS         670         1         1         0         100%           586         000711664         FREQUENCY MEASURING         MIR         670         1         1         0         100%           587         000790685         TEST SET, DIRECTION         NORIS         670         1         1         0         100%           589         000871227         TEST SET, SIMULATOR         NORIS         670         2         2         0         100%           590         000871227         TEST SET, SIMULATOR         MIR         670         7         7         0         100%           591         000894977         TEST SET, DATA LINK         NORIS         670         4         4         0         100%           592         000903409         ANALYZER, JET CALIBR         NORIS         670         4         4         0         100%								_	
583 000708816 LOAD BANK, POWER SUP NORIS 670 1 1 0 100% 584 000708816 LOAD BANK, POWER SUP MIR 670 4 4 0 100% 585 000711664 FREQUENCY MEASURING NORIS 670 1 1 0 100% 586 000711664 FREQUENCY MEASURING MIR 670 1 1 0 100% 587 000790685 TEST SET, DIRECTION NORIS 670 1 1 0 100% 588 000790685 TEST SET, DIRECTION MIR 670 2 2 0 100% 589 000871227 TEST SET, SIMULATOR NORIS 670 2 2 0 100% 590 000871227 TEST SET, SIMULATOR NORIS 670 2 2 0 100% 591 000894977 TEST SET, DATA LINK NORIS 670 4 4 0 100% 592 000894977 TEST SET, DATA LINK MIR 670 7 7 0 100% 593 000903409 ANALYZER, JET CALIBR NORIS 670 4 4 0 100% 594 000903409 ANALYZER, JET CALIBR NORIS 670 4 4 0 100% 595 001116074 SERVICING-UNIT NIT NORIS 670 5 5 0 100% 596 001116074 SERVICING-UNIT NIT MIR 670 7 7 0 100% 597 001144854 ELECTRON TUBE NORIS 670 5 5 0 100% 599 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 599 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 258 258 0 100% 601 001260196 GENERATOR, SIGNAL NORIS 670 7 7 0 100% 602 001260196 GENERATOR, SIGNAL NORIS 670 7 7 0 100% 603 001341533 TEST SET, TRANSPONDE NORIS 670 7 7 0 100% 604 001341533 TEST SET, TRANSPONDE NORIS 670 7 7 0 100% 605 001356978 PLUG-IN UNIT, ELECTR NORIS 670 7 7 0 100% 606 001356978 PLUG-IN UNIT, ELECTR NORIS 670 5 5 0 100% 607 001405137 MEMORY FILL UNIT NORIS 670 9 8 0 89% 610 001413558 OHMMETER NORIS 670 9 8 0 89% 610 001413558 OHMMETER NORIS 670 9 8 0 89%									
584         000708816         LOAD BANK, POWER SUP MIR         670         4         4         0         100%           585         000711664         FREQUENCY MEASURING NORIS         670         1         1         0         100%           587         000790685         TEST SET, DIRECTION NORIS         670         1         1         0         100%           589         000790685         TEST SET, DIRECTION MIR         670         2         2         0         100%           589         000871227         TEST SET, SIMULATOR NORIS         670         2         2         0         100%           590         000871227         TEST SET, SIMULATOR MIR         670         7         7         0         100%           591         000894977         TEST SET, DATA LINK MORIS         670         4         4         0         100%           593         000903409         ANALYZER, JET CALIBR MIR         670         14         14         0         100%           594         000903409         ANALYZER, JET CALIBR MIR         670         7         7         0         100%           595         001116074         SERVICING-UNIT NIT         NORIS         670         7									
585 000711664 FREQUENCY MEASURING NORIS 670 1 1 0 100% 586 000711664 FREQUENCY MEASURING MIR 670 1 1 0 100% 587 000790685 TEST SET, DIRECTION NORIS 670 1 1 0 100% 588 000790685 TEST SET, DIRECTION MIR 670 2 2 0 100% 589 000871227 TEST SET, SIMULATOR NORIS 670 2 2 0 100% 590 000871227 TEST SET, SIMULATOR MIR 670 7 7 0 100% 591 000894977 TEST SET, DATA LINK NORIS 670 4 4 0 100% 592 000894977 TEST SET, DATA LINK MIR 670 14 14 0 100% 593 000903409 ANALYZER, JET CALIBR NORIS 670 4 4 0 100% 594 000903409 ANALYZER, JET CALIBR MIR 670 2 2 0 100% 595 001116074 SERVICING-UNIT NIT NORIS 670 4 4 0 100% 596 001116074 SERVICING-UNIT NIT MIR 670 2 2 0 100% 597 001144854 ELECTRON TUBE NORIS 670 7 7 0 100% 599 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 600 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 601 001260196 GENERATOR, SIGNAL NORIS 670 7 7 9 0 100% 602 001260196 GENERATOR, SIGNAL NORIS 670 7 7 9 0 100% 603 001341533 TEST SET, TRANSPONDE NORIS 670 7 7 9 0 100% 604 001341533 TEST SET, TRANSPONDE MIR 670 7 7 7 0 100% 605 001356978 PLUG-IN UNIT, ELECTR NORIS 670 7 7 9 0 100% 606 001356978 PLUG-IN UNIT, ELECTR NORIS 670 5 5 0 100% 607 001405137 MEMORY FILL UNIT NORIS 670 5 5 0 100% 609 001413558 OHMMETER NORIS 670 9 8 0 89% 610 001413558 OHMMETER NORIS 670 9 8 0 89%									
586         000711664         FREQUENCY MEASURING MIR         670         1         1         0         100%           587         000790685         TEST SET, DIRECTION MIR         670         1         1         0         100%           588         000790685         TEST SET, DIRECTION MIR         670         2         2         0         100%           589         000871227         TEST SET, SIMULATOR NORIS         670         2         2         0         100%           590         000871227         TEST SET, SIMULATOR MIR         670         7         7         0         100%           591         000894977         TEST SET, DATA LINK NORIS         670         4         4         0         100%           592         000894977         TEST SET, DATA LINK MIR         670         14         14         0         100%           593         000903409         ANALYZER, JET CALIBR NORIS         670         4         4         0         100%           594         000903409         ANALYZER, JET CALIBR MIR         670         5         5         0         100%           595         001116074         SERVICING-UNIT NIT         MIR         670         7									
587         000790685         TEST SET, DIRECTION         NORIS         670         1         1         0         100%           588         000790685         TEST SET, DIRECTION         MIR         670         2         2         0         100%           589         000871227         TEST SET, SIMULATOR         NORIS         670         2         2         0         100%           590         000871227         TEST SET, SIMULATOR         MIR         670         7         7         0         100%           591         000894977         TEST SET, DATA LINK         MIR         670         4         4         0         100%           592         000894977         TEST SET, DATA LINK         MIR         670         14         14         0         100%           593         000903409         ANALYZER, JET CALIBR         MORIS         670         4         4         0         100%           594         000903409         ANALYZER, JET CALIBR         MIR         670         2         2         0         100%           595         001116074         SERVICING-UNIT NIT         MIR         670         5         5         0         100%			- <del>-</del>						
588         000790685         TEST SET,DIRECTION         MIR         670         2         2         0         100%           589         000871227         TEST SET,SIMULATOR         NORIS         670         2         2         0         100%           590         000871227         TEST SET,SIMULATOR         MIR         670         7         7         0         100%           591         000894977         TEST SET,DATA LINK         MIR         670         4         4         0         100%           592         000994097         TEST SET,DATA LINK         MIR         670         14         14         0         100%           593         000903409         ANALYZER,JET CALIBR         NORIS         670         4         4         0         100%           594         000903409         ANALYZER,JET CALIBR         MIR         670         2         2         0         100%           595         001116074         SERVICING-UNIT NIT         NORIS         670         5         5         0         100%           597         001144854         ELECTRON TUBE         NORIS         670         7         7         0         100%			- <del>-</del>						
589         000871227         TEST SET,SIMULATOR         NORIS         670         2         2         0         100%           590         000871227         TEST SET,SIMULATOR         MIR         670         7         7         0         100%           591         000894977         TEST SET,DATA LINK         NORIS         670         4         4         0         100%           592         000894977         TEST SET,DATA LINK         MIR         670         14         14         0         100%           593         000903409         ANALYZER,JET CALIBR         NORIS         670         4         4         0         100%           594         000903409         ANALYZER,JET CALIBR         MIR         670         2         2         0         100%           595         001116074         SERVICING-UNIT NIT         MIR         670         5         5         0         100%           596         0011144854         ELECTRON TUBE         MORIS         670         7         7         0         100%           599         001244336         TIRE INFLATOR ASSEM         MIR         670         258         258         0         100%								-	
590       000871227       TEST SET,SIMULATOR       MIR       670       7       7       0       100%         591       000894977       TEST SET,DATA LINK       NORIS       670       4       4       0       100%         592       000894977       TEST SET,DATA LINK       MIR       670       14       14       0       100%         593       000903409       ANALYZER,JET CALIBR       MORIS       670       4       4       0       100%         594       000903409       ANALYZER,JET CALIBR       MIR       670       2       2       0       100%         594       000903409       ANALYZER,JET CALIBR       MIR       670       2       2       0       100%         595       001116074       SERVICING-UNIT NIT       NORIS       670       5       5       0       100%         597       001144854       ELECTRON TUBE       MORIS       670       7       7       0       100%         599       001244336       TIRE INFLATOR ASSEM       MIR       670       3       3       0       100%         601       001260196       GENERATOR,SIGNAL       MORIS       670       16       16									
591 000894977 TEST SET,DATA LINK NORIS 670 4 4 0 100% 592 000894977 TEST SET,DATA LINK MIR 670 14 14 0 100% 593 000903409 ANALYZER,JET CALIBR NORIS 670 4 4 0 100% 594 000903409 ANALYZER,JET CALIBR MIR 670 2 2 0 100% 595 001116074 SERVICING-UNIT NIT NORIS 670 5 5 0 100% 596 001116074 SERVICING-UNIT NIT MIR 670 7 7 0 100% 597 001144854 ELECTRON TUBE NORIS 670 7 7 0 100% 598 001144854 ELECTRON TUBE MIR 670 3 3 0 100% 599 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 258 258 0 100% 601 001260196 GENERATOR,SIGNAL MIR 670 258 258 0 100% 602 001260196 GENERATOR,SIGNAL MIR 670 2 2 0 100% 603 001341533 TEST SET,TRANSPONDE MIR 670 79 79 0 100% 604 001341533 TEST SET,TRANSPONDE MIR 670 74 74 0 100% 605 001356978 PLUG-IN UNIT,ELECTR NORIS 670 1 1 0 100% 606 001356978 PLUG-IN UNIT,ELECTR MIR 670 5 5 0 100% 607 001405137 MEMORY FILL UNIT NORIS 670 5 4 1 80% 608 001405137 MEMORY FILL UNIT MIR 670 6 6 0 100% 609 001413558 OHMMETER NORIS 670 9 8 0 89% 610 001413558 OHMMETER NORIS 670 9 8 0 89%									_
592         000894977         TEST SET,DATA LINK         MIR         670         14         14         0         100%           593         000903409         ANALYZER,JET CALIBR         NORIS         670         4         4         0         100%           594         000903409         ANALYZER,JET CALIBR         MIR         670         2         2         0         100%           595         001116074         SERVICING-UNIT NIT         NORIS         670         5         5         0         100%           596         001116074         SERVICING-UNIT NIT         MIR         670         7         7         0         100%           597         001144854         ELECTRON TUBE         NORIS         670         7         7         0         100%           598         001144854         ELECTRON TUBE         MIR         670         3         3         0         100%           600         001244336         TIRE INFLATOR ASSEM         MIR         670         258         258         0         100%           601         001240336         GENERATOR,SIGNAL         MIR         670         16         16         0         100%           60									
593       000903409       ANALYZER, JET CALIBR NORIS       670       4       4       0       100%         594       000903409       ANALYZER, JET CALIBR MIR       670       2       2       0       100%         595       001116074       SERVICING-UNIT NIT       NORIS       670       7       7       0       100%         596       001116074       SERVICING-UNIT NIT       MIR       670       7       7       0       100%         597       001144854       ELECTRON TUBE       NORIS       670       7       7       0       100%         598       0011244336       TIRE INFLATOR ASSEM NORIS       670       3       3       0       100%         600       001244336       TIRE INFLATOR ASSEM MIR       670       258       258       0       100%         601       001260196       GENERATOR, SIGNAL       NORIS       670       16       16       0       100%         602       001260196       GENERATOR, SIGNAL       MIR       670       79       79       0       100%         603       001341533       TEST SET, TRANSPONDE       NORIS       670       79       79       0       100%						_			
594       000903409       ANALYZER, JET CALIBR MIR       670       2       2       0       100%         595       001116074       SERVICING-UNIT NIT       NORIS       670       7       7       0       100%         596       001116074       SERVICING-UNIT NIT       MIR       670       7       7       0       100%         597       001144854       ELECTRON TUBE       NORIS       670       7       7       0       100%         599       001244336       TIRE INFLATOR ASSEM NORIS       670       3       3       0       100%         600       001244336       TIRE INFLATOR ASSEM MIR       670       258       258       0       100%         601       001260196       GENERATOR, SIGNAL       NORIS       670       16       16       0       100%         602       001260196       GENERATOR, SIGNAL       MIR       670       2       2       0       100%         603       001341533       TEST SET, TRANSPONDE       NORIS       670       79       79       0       100%         604       001341533       TEST SET, TRANSPONDE       MIR       670       74       74       0       100% <td></td> <td></td> <td>• • • • • • • • • • • • • • • • • • • •</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			• • • • • • • • • • • • • • • • • • • •						
595 001116074 SERVICING-UNIT NIT NORIS 670 5 5 0 100% 596 001116074 SERVICING-UNIT NIT MIR 670 7 7 0 100% 597 001144854 ELECTRON TUBE NORIS 670 7 7 0 100% 598 001144854 ELECTRON TUBE MIR 670 3 3 0 100% 599 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 258 258 0 100% 601 001260196 GENERATOR, SIGNAL NORIS 670 16 16 0 100% 602 001260196 GENERATOR, SIGNAL MIR 670 2 2 0 100% 603 001341533 TEST SET, TRANSPONDE NORIS 670 79 79 0 100% 604 001341533 TEST SET, TRANSPONDE MIR 670 74 74 0 100% 605 001356978 PLUG-IN UNIT, ELECTR NORIS 670 1 1 0 100% 606 001356978 PLUG-IN UNIT, ELECTR MIR 670 5 5 0 100% 607 001405137 MEMORY FILL UNIT NORIS 670 5 4 1 80% 608 001405137 MEMORY FILL UNIT MIR 670 6 6 0 100% 609 001413558 OHMMETER NORIS 670 9 8 0 89% 610 001413558 OHMMETER MIR 670 11 11 0 100%									
596       001116074       SERVICING-UNIT NIT       MIR       670       7       7       0       100%         597       001144854       ELECTRON TUBE       NORIS       670       3       3       0       100%         598       001244336       TIRE INFLATOR ASSEM NORIS       670       3       3       0       100%         600       001244336       TIRE INFLATOR ASSEM MIR       670       258       258       0       100%         601       001260196       GENERATOR, SIGNAL       NORIS       670       16       16       0       100%         602       001260196       GENERATOR, SIGNAL       MIR       670       2       2       0       100%         603       001341533       TEST SET, TRANSPONDE NORIS       670       79       79       0       100%         604       001341533       TEST SET, TRANSPONDE MIR       670       74       74       0       100%         605       001356978       PLUG-IN UNIT, ELECTR NORIS       670       1       1       0       100%         607       001405137       MEMORY FILL UNIT       NORIS       670       5       4       1       80%         609	594							0	
597 001144854 ELECTRON TUBE NORIS 670 7 7 0 100% 598 001144854 ELECTRON TUBE MIR 670 3 3 0 100% 599 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 258 258 0 100% 601 001260196 GENERATOR, SIGNAL NORIS 670 16 16 0 100% 602 001260196 GENERATOR, SIGNAL MIR 670 2 2 0 100% 603 001341533 TEST SET, TRANSPONDE NORIS 670 79 79 0 100% 604 001341533 TEST SET, TRANSPONDE MIR 670 74 74 0 100% 605 001356978 PLUG-IN UNIT, ELECTR NORIS 670 1 1 0 100% 606 001356978 PLUG-IN UNIT, ELECTR MIR 670 5 5 0 100% 607 001405137 MEMORY FILL UNIT NORIS 670 5 4 1 80% 608 001405137 MEMORY FILL UNIT MIR 670 6 6 0 100% 609 001413558 OHMMETER NORIS 670 9 8 0 89% 610 001413558 OHMMETER MIR 670 11 11 0 100%	595							0	
598 001144854 ELECTRON TUBE MIR 670 3 3 0 100% 599 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 258 258 0 100% 601 001260196 GENERATOR, SIGNAL NORIS 670 16 16 0 100% 602 001260196 GENERATOR, SIGNAL MIR 670 2 2 0 100% 603 001341533 TEST SET, TRANSPONDE NORIS 670 79 79 0 100% 604 001341533 TEST SET, TRANSPONDE MIR 670 74 74 0 100% 605 001356978 PLUG-IN UNIT, ELECTR NORIS 670 1 1 0 100% 606 001356978 PLUG-IN UNIT, ELECTR MIR 670 5 5 0 100% 607 001405137 MEMORY FILL UNIT NORIS 670 5 4 1 80% 608 001405137 MEMORY FILL UNIT MIR 670 6 6 0 100% 609 001413558 OHMMETER NORIS 670 9 8 0 89% 610 001413558 OHMMETER MIR 670 11 11 0 100%	596	001116074	SERVICING-UNIT NIT	MIR	670	7	7	0	100%
599 001244336 TIRE INFLATOR ASSEM NORIS 670 3 3 0 100% 600 001244336 TIRE INFLATOR ASSEM MIR 670 258 258 0 100% 601 001260196 GENERATOR, SIGNAL NORIS 670 16 16 0 100% 602 001260196 GENERATOR, SIGNAL MIR 670 2 2 0 100% 603 001341533 TEST SET, TRANSPONDE NORIS 670 79 79 0 100% 604 001341533 TEST SET, TRANSPONDE MIR 670 74 74 0 100% 605 001356978 PLUG-IN UNIT, ELECTR NORIS 670 1 1 0 100% 606 001356978 PLUG-IN UNIT, ELECTR MIR 670 5 5 0 100% 607 001405137 MEMORY FILL UNIT NORIS 670 5 4 1 80% 608 001405137 MEMORY FILL UNIT MIR 670 6 6 0 100% 609 001413558 OHMMETER NORIS 670 9 8 0 89% 610 001413558 OHMMETER MIR 670 11 11 0 100%				NORIS				0	
600       001244336       TIRE INFLATOR ASSEM MIR       670       258       258       0       100%         601       001260196       GENERATOR, SIGNAL       MIR       670       2       2       0       100%         602       001260196       GENERATOR, SIGNAL       MIR       670       2       2       0       100%         603       001341533       TEST SET, TRANSPONDE NORIS       670       79       79       0       100%         604       001341533       TEST SET, TRANSPONDE MIR       670       74       74       0       100%         605       001356978       PLUG-IN UNIT, ELECTR NORIS       670       1       1       0       100%         606       001356978       PLUG-IN UNIT, ELECTR MIR       670       5       5       0       100%         607       001405137       MEMORY FILL UNIT       NORIS       670       5       4       1       80%         609       001413558       OHMMETER       NORIS       670       9       8       0       89%         610       001413558       OHMMETER       MIR       670       11       11       0       100%								0	
601 001260196 GENERATOR, SIGNAL NORIS 670 16 16 0 100% 602 001260196 GENERATOR, SIGNAL MIR 670 2 2 0 100% 603 001341533 TEST SET, TRANSPONDE NORIS 670 79 79 0 100% 604 001341533 TEST SET, TRANSPONDE MIR 670 74 74 0 100% 605 001356978 PLUG-IN UNIT, ELECTR NORIS 670 1 1 0 100% 606 001356978 PLUG-IN UNIT, ELECTR MIR 670 5 5 0 100% 607 001405137 MEMORY FILL UNIT NORIS 670 5 4 1 80% 608 001405137 MEMORY FILL UNIT MIR 670 6 6 0 100% 609 001413558 OHMMETER NORIS 670 9 8 0 89% 610 001413558 OHMMETER MIR 670 11 11 0 100%					670	3	3	0	100%
602       001260196       GENERATOR,SIGNAL       MIR       670       2       2       0       100%         603       001341533       TEST SET,TRANSPONDE NORIS       670       79       79       0       100%         604       001341533       TEST SET,TRANSPONDE MIR       670       74       74       0       100%         605       001356978       PLUG-IN UNIT,ELECTR NORIS       670       1       1       0       100%         606       001356978       PLUG-IN UNIT,ELECTR MIR       670       5       5       0       100%         607       901405137       MEMORY FILL UNIT       NORIS       670       5       4       1       80%         608       901413558       OHMMETER       NORIS       670       9       8       0       89%         610       901413558       OHMMETER       MIR       670       11       11       0       100%	600	001244336	TIRE INFLATOR ASSEM	MIR	670	258	258	0	
603       001341533       TEST SET,TRANSPONDE NORIS       670       79       79       0       100%         604       001341533       TEST SET,TRANSPONDE MIR       670       74       74       0       100%         605       001356978       PLUG-IN UNIT,ELECTR NORIS       670       1       1       0       100%         606       001356978       PLUG-IN UNIT,ELECTR MIR       670       5       5       0       100%         607       901405137       MEMORY FILL UNIT       NORIS       670       5       4       1       80%         608       901405137       MEMORY FILL UNIT       MIR       670       6       6       0       100%         609       901413558       OHMMETER       NORIS       670       9       8       0       89%         610       901413558       OHMMETER       MIR       670       11       11       0       100%	601	001260196	GENERATOR, SIGNAL	NORIS	670	16	16	0	100%
604       001341533       TEST SET,TRANSPONDE MIR       670       74       74       0       100%         605       001356978       PLUG-IN UNIT,ELECTR MIR       670       1       1       0       100%         606       001356978       PLUG-IN UNIT,ELECTR MIR       670       5       5       0       100%         607       001405137       MEMORY FILL UNIT       NORIS       670       5       4       1       80%         608       001405137       MEMORY FILL UNIT       MIR       670       6       6       0       100%         609       001413558       OHMMETER       NORIS       670       9       8       0       89%         610       001413558       OHMMETER       MIR       670       11       11       0       100%	602	001260196	GENERATOR, SIGNAL	MIR	670	2	2	0	100%
605       001356978       PLUG-IN UNIT, ELECTR NORIS       670       1       1       0       100%         606       001356978       PLUG-IN UNIT, ELECTR MIR       670       5       5       0       100%         607       001405137       MEMORY FILL UNIT       NORIS       670       5       4       1       80%         608       001405137       MEMORY FILL UNIT       MIR       670       6       6       0       100%         609       001413558       OHMMETER       NORIS       670       9       8       0       89%         610       001413558       OHMMETER       MIR       670       11       11       0       100%	603	001341533	TEST SET, TRANSPONDE	NORIS	670	79	79	0	100%
606       001356978       PLUG-IN UNIT, ELECTR MIR       670       5       5       0       100%         607       001405137       MEMORY FILL UNIT       NORIS       670       5       4       1       80%         608       001405137       MEMORY FILL UNIT       MIR       670       6       6       0       100%         609       001413558       OHMMETER       NORIS       670       9       8       0       89%         610       001413558       OHMMETER       MIR       670       11       11       0       100%	604	001341533	TEST SET, TRANSPONDE	MIR	670	74	74	0	100%
606       001356978       PLUG-IN UNIT, ELECTR MIR       670       5       5       0       100%         607       001405137       MEMORY FILL UNIT       NORIS       670       5       4       1       80%         608       001405137       MEMORY FILL UNIT       MIR       670       6       6       0       100%         609       001413558       OHMMETER       NORIS       670       9       8       0       89%         610       001413558       OHMMETER       MIR       670       11       11       0       100%	605	001356978	PLUG-IN UNIT, ELECTR	NORIS	670	1	1	0	100%
607 001405137 MEMORY FILL UNIT       NORIS 670       5       4       1       80%         608 001405137 MEMORY FILL UNIT       MIR 670       6       6       0       100%         609 001413558 OHMMETER       NORIS 670       9       8       0       89%         610 001413558 OHMMETER       MIR 670       11       11       0       100%					670	5	5	0	100%
608 001405137 MEMORY FILL UNIT       MIR       670       6       6       0       100%         609 001413558 OHMMETER       NORIS       670       9       8       0       89%         610 001413558 OHMMETER       MIR       670       11       11       0       100%								1	80%
609 001413558 OHMMETER NORIS 670 9 8 0 89% 610 001413558 OHMMETER MIR 670 11 11 0 100%									
610 001413558 OHMMETER MIR 670 11 11 0 100%									

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
				686		105		1000
		TEST SET, FIRE CONTR		670	105	105	0	100%
		GENERATOR, PHASE	NORIS	670	1	1	0	100%
		GENERATOR, PHASE	MIR	670	2	2	0	100%
	001560607		NORIS	670	1	0	0	80
	001560607	MRGM GRM GOVERN	MIR	670	1	1	0	100%
		TEST SET, COMPUTER	NORIS	670	23	23	0	100%
		TEST SET, COMPUTER	MIR	670	14	14	0	100%
		MULTIMETER	NORIS	670	3	3	0	100%
		MULTIMETER THE TRANSPONDE	MIR	670	3 1	3	0	100%
		TEST SET, TRANSPONDE		670	3	1	0	100%
		TEST SET, TRANSPONDE		670			0	100%
		TEST SET, INTERROGAT		670	19	19		100%
		TEST SET, INTERROGAT		670	47	47		100%
		WRENCH, TORQUE	NORIS	670	8	7	1	888
		WRENCH, TORQUE	MIR	670	1	1	0	100%
		TEST SET, RADIO	NORIS	670	1 2	1 2	0	100%
		TEST SET, RADIO	MIR	670	1	1	0	100%
		TRANSFORMER, POWER	NORIS	670	1	1	0	100%
		TRANSFORMER, POWER	MIR	670	3	3	0	100%
		PLUG-IN UNIT, ELECTR		670	3 4		0	100%
		PLUG-IN UNIT, ELECTR		670		4	0	100%
633	002239648	INDICATOR, DIAL	NORIS	670	1	1	0	100%
		INDICATOR, DIAL	MIR	670	1	1	0	100%
		SERVICING UNIT, NITR		670	5	5	0	100%
		SERVICING UNIT, NITR		670	16	16		100%
		OSCILLOSCOPE	NORIS	670 670	24	23		96%
		OSCILLOSCOPE DING IN INITE DI BOTTO	MIR	670	74	74		100% 100%
		PLUG-IN UNIT, ELECTR		670 670	1 5	1 5	0	100%
		PLUG-IN UNIT, ELECTR WRENCH, TORQUE			4	3		75%
			NORIS MIR	670 670	1	1	1 0	100%
		WRENCH, TORQUE						100%
		BRIDGE, CAPACITANCE-		670 670	1	1	0	100%
		BRIDGE, CAPACITANCE- MULTIMETER		670	2	2		100%
		MULTIMETER	NORIS		2		0	100%
		WRENCH, TORQUE	MIR	670 670	1	2 1	0	100%
		WRENCH, TORQUE	NORIS MIR	670	1	1	0	100%
		TEST SET, ARMAMENT W		670	17	17	0	100%
		TEST SET, ARMAMENT W		670	1	1	0	100%
		PLUG-IN UNIT, ELECTR		670	2	2		100%
					4	4	0	100%
	002636436	PLUG-IN UNIT, ELECTR	NORIS	670 670	9	9	0 0	100%
	002636436		MIR	670	2	2	0	100%
		PLUG-IN UNIT, ELECTR		670	1	1	0	100%
				670	1	1	0	100%
		PLUG-IN UNIT, ELECTR BOLT, MACHINE	NORIS	670	3	3	0	100%
		BOLT, MACHINE	MIR	670	1	1	0	100%
		GENERATOR, SIGNAL	NORIS	670	5	5	0	100%
0.73	003100304	GRUEWLIOK STOWER	MOKTO	0/0	9	Ş	U	1004

AIMO									
661 003228715 MULTIMETER NORIS 670 2 2 0 100% 662 003228715 MULTIMETER NORIS 670 2 2 0 100% 663 003392046 TEST SET,OSCILLATOR NORIS 670 1 1 0 100% 664 003392046 TEST SET,OSCILLATOR NORIS 670 1 1 0 100% 665 003773049 TEST SET,AIRCRAFT E NORIS 670 3 3 0 100% 666 003773049 TEST SET,AIRCRAFT E NORIS 670 1 1 0 100% 666 003773049 TEST SET,AIRCRAFT E NORIS 670 2 2 0 100% 669 004066553 PIN,QUICK RELEASE NORIS 670 1 1 0 100% 669 004423550 OSCILLOSCOPE NORIS 670 2 2 0 100% 670 004423550 OSCILLOSCOPE NORIS 670 2 2 0 100% 671 004423550 OSCILLOSCOPE NORIS 670 2 2 0 100% 671 004423550 OSCILLOSCOPE NORIS 670 2 2 0 100% 672 004463562 VALVE,SAFETY RELIEF NORIS 670 2 2 0 100% 673 004510041 CLEVIS,ROD END NORIS 670 1 1 0 100% 674 004510041 CLEVIS,ROD END NORIS 670 1 1 0 100% 675 004898877 GENERATOR,PULSE NORIS 670 1 1 0 100% 676 004898877 GENERATOR,PULSE NORIS 670 2 1 1 5 50% 676 004898170 TEST SET,PRESSURE T NORIS 670 2 1 1 5 50% 678 004899110 TEST SET,PRESSURE T NORIS 670 2 1 1 5 50% 678 004899110 TEST SET,PRESSURE T NORIS 670 2 2 0 100% 679 004901496 POWER SUPPLY NORIS 670 2 2 0 100% 681 005562578 VOLTMETER NORIS 670 2 2 0 100% 683 005562578 VOLTMETER NORIS 670 2 2 0 100% 684 005568108 TEST SET,SYNCHRO NORIS 670 2 2 0 100% 686 005633650 TENSIOMETER DIAL IN NIR 670 2 2 0 100% 686 005633650 TENSIOMETER DIAL IN NIR 670 2 2 0 100% 689 0057685201 TESTER,EXHAUST GAS NORIS 670 1 1 0 100% 699 007585201 TESTER,PRESSURE GAG NORIS 670 1 1 0 100% 699 007585201 TESTER,PRESSURE GAG NORIS 670 1 1 0 100% 699 007585201 TESTER,PRESSURE GAG NORIS 670 1 1 0 100% 699 007585201 TESTER,PRESSURE GAG NORIS 670 1 1 0 100% 699 007596590 VALVE,PRESSURE GAG NORIS 670 1 1 0 100% 699 007596050 VALVE,PRESSURE GAG NORIS 670 1 1 0 100% 699 007596050 VALVE,PRESSURE GAG NORIS 670 1 1 0 100% 699 007596050 VALVE,PRESSURE GAG NORIS 670 1 1 0 100% 699 007596050 VALVE,PRESSURE MIR 670 2 2 0 100% 699 007274695 VOLTMETER NORIS 670 1 1 0 100% 699 007274695 VOLTMETER NORIS 670 1 1 1 0 100% 699 007581162 GAGE,PRESSURE NORIS 670 1 1 1 0 100% 699 007581162 GAGE,PRESSURE NOR	LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
661 003228715 MULTIMETER NORIS 670 2 2 0 100% 662 003228715 MULTIMETER NORIS 670 2 2 0 100% 663 003392046 TEST SET,OSCILLATOR NORIS 670 1 1 0 100% 664 003392046 TEST SET,OSCILLATOR NORIS 670 1 1 0 100% 665 003773049 TEST SET,AIRCRAFT E NORIS 670 3 3 0 100% 666 003773049 TEST SET,AIRCRAFT E NORIS 670 1 1 0 100% 666 003773049 TEST SET,AIRCRAFT E NORIS 670 2 2 0 100% 669 004066553 PIN,QUICK RELEASE NORIS 670 1 1 0 100% 669 004423550 OSCILLOSCOPE NORIS 670 2 2 0 100% 670 004423550 OSCILLOSCOPE NORIS 670 2 2 0 100% 671 004423550 OSCILLOSCOPE NORIS 670 2 2 0 100% 671 004423550 OSCILLOSCOPE NORIS 670 2 2 0 100% 672 004463562 VALVE,SAFETY RELIEF NORIS 670 2 2 0 100% 673 004510041 CLEVIS,ROD END NORIS 670 1 1 0 100% 674 004510041 CLEVIS,ROD END NORIS 670 1 1 0 100% 675 004898877 GENERATOR,PULSE NORIS 670 1 1 0 100% 676 004898877 GENERATOR,PULSE NORIS 670 2 1 1 5 50% 676 004898170 TEST SET,PRESSURE T NORIS 670 2 1 1 5 50% 678 004899110 TEST SET,PRESSURE T NORIS 670 2 1 1 5 50% 678 004899110 TEST SET,PRESSURE T NORIS 670 2 2 0 100% 679 004901496 POWER SUPPLY NORIS 670 2 2 0 100% 681 005562578 VOLTMETER NORIS 670 2 2 0 100% 683 005562578 VOLTMETER NORIS 670 2 2 0 100% 684 005568108 TEST SET,SYNCHRO NORIS 670 2 2 0 100% 686 005633650 TENSIOMETER DIAL IN NIR 670 2 2 0 100% 686 005633650 TENSIOMETER DIAL IN NIR 670 2 2 0 100% 689 0057685201 TESTER,EXHAUST GAS NORIS 670 1 1 0 100% 699 007585201 TESTER,PRESSURE GAG NORIS 670 1 1 0 100% 699 007585201 TESTER,PRESSURE GAG NORIS 670 1 1 0 100% 699 007585201 TESTER,PRESSURE GAG NORIS 670 1 1 0 100% 699 007585201 TESTER,PRESSURE GAG NORIS 670 1 1 0 100% 699 007596590 VALVE,PRESSURE GAG NORIS 670 1 1 0 100% 699 007596050 VALVE,PRESSURE GAG NORIS 670 1 1 0 100% 699 007596050 VALVE,PRESSURE GAG NORIS 670 1 1 0 100% 699 007596050 VALVE,PRESSURE GAG NORIS 670 1 1 0 100% 699 007596050 VALVE,PRESSURE MIR 670 2 2 0 100% 699 007274695 VOLTMETER NORIS 670 1 1 0 100% 699 007274695 VOLTMETER NORIS 670 1 1 1 0 100% 699 007581162 GAGE,PRESSURE NORIS 670 1 1 1 0 100% 699 007581162 GAGE,PRESSURE NOR									
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704 007581162 GAGE, PRESSURE MIR 670 16 16 0 100% 705 007610936 BAG, URINE COLLECTIO NORIS 670 3 3 0 100% 706 007610936 BAG, URINE COLLECTIO MIR 670 6 6 0 100%								0	
705 007610936 BAG, URINE COLLECTIO NORIS 670 3 3 0 100% 706 007610936 BAG, URINE COLLECTIO MIR 670 6 6 0 100%				NORIS		72	72	0	
706 007610936 BAG, URINE COLLECTIO MIR 670 6 6 0 100%						16		0	100%
						3	3	0	
707 007739762 TEST SET, POWER SUPP NORIS 670 1 1 0 100%							6	0	
	707	007739762	TEST SET, POWER SUPP	NORIS	670	1	1	0	100%

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
708	007739762	TEST SET, POWER SUPP	MIR	670	8	8	0	100%
709	007880311	GENERATOR, PULSE	NORIS	670	1	1	0	100%
710	007880311	GENERATOR, PULSE	MIR	670	1	1	0	100%
711	007886231	TEST SET, INDICATOR	NORIS	670	5	4	1	80%
712	007886231	TEST SET, INDICATOR	MIR	670	1	1	0	100%
713	007901960	CALIPER, MICROMETER,	NORIS	670	10	10	0	100%
714	007901960	CALIPER, MICROMETER,	MIR	670	9	9	0	100%
715	007997616	STROBOSCOPE	NORIS	670	4	4	0	100%
716	007997616	STROBOSCOPE	MIR	670	3	3	0	100%
717	007997813	TESTER, TACHOMETER	NORIS	670	18	18	0	100%
718	007997813	TESTER, TACHOMETER	MIR	670	5	5	0	100%
719	008033399	TEST SET, RADIO	NORIS	670	56	56	0	100%
720	008033399	TEST SET, RADIO	MIR	670	8	8	0	100%
721	008129959	SCALE, WEIGHING	NORIS	670	5	5	0	100%
722	008129959	SCALE, WEIGHING	MIR	670	1	1	0	100%
723	008255119	INDICATOR, DIAL	NORIS	670	1	1	0	100%
724	008255119	INDICATOR, DIAL	MIR	670	2	2	0	100%
725	008398722	- " -	NORIS	670	9	8	1	89%
726	008398722	VOLTMETER	MIR	670	19	19	0	100%
727	008490663	SWITCH, STEPPING	NORIS	670	1	1	0	100%
728	008490663	SWITCH, STEPPING	MIR	670	1	1	0	100%
729	008518753	SIMULATOR, GYRO AND	NORIS	670	1	1	0	100%
730	008518753	SIMULATOR, GYRO AND	MIR	670	10	10	0	100%
731	008518754	INDICATOR ASSEMBLY,	NORIS	670	2	2	0	100%
732	008518754	INDICATOR ASSEMBLY,	MIR	670	3	3	0	100%
733	008597910		NORIS	670	1	1	0	100%
734	008597910		MIR	670	6	6	0	100%
735	008885119	PREOILER	NORIS	670	44	41	0	93%
736	008885119	PREOILER	MIR	670	21	21	0	100%
737	008913616	TEST SET, ELECTRONIC		670	6	6	0	100%
738	008913616	TEST SET, ELECTRONIC		670	11	11	0	100%
739	009087451	TRAILER, COMPRESSED	NORIS	670	1	1	0	100%
740	009087451	TRAILER, COMPRESSED	MIR	670	9	9	0	100%
		TEST SET, RADIO FREQ		670	1	1	0	100%
		TEST SET, RADIO FREQ		670	1	1	0	100%
		OSCILLOSCOPE	NORIS	670	2	2	0	100%
		OSCILLOSCOPE	MIR	670	31	31	0	100%
		POWER SUPPLY	NORIS	670	1	1	0	100%
		POWER SUPPLY	MIR	670	1	1	0	100%
		WRENCH, TORQUE	NORIS	670	32	29	3	91%
		WRENCH, TORQUE	MIR	670	1	1	0	100%
		TEST STAND, HYDRAULI		670	2	2	0	100%
	009336310	TEST STAND, HYDRAULI		670	2	2	0	100%
	009424224		NORIS	670	18	15	3	83%
	009424224	mnam and	MIR	670	4	4	0	100%
		TEST SET, FLIGHT CON		670	2	2	0	100%
		TEST SET, FLIGHT CON		670	2	2	0	100%
755	009428284	TEST SET, FLIGHT CON	NORIS	670	2	2	0	100%

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
756	000438384	MECH CER ELICHE CON	WTD	670			•	1008
		TEST SET, FLIGHT CON CALIBRATION SET, COM		670	4	4 2	0	100 <b>%</b> 67 <b>%</b>
		CALIBRATION SET, COM		670	15	15		100%
				670				100%
	009480077	TEST SET, TRANSPONDE TEST SET, TRANSPONDE		670	21 1	21 1	0	100%
	009480077	•		670	20	20	0	100%
	009570393	•		670	4	4	0	100%
	009570393	TEST SET, ELECTRICAL	NORIS	670	2	2	0	100%
	009589155		MIR	670	1	1	0	100%
		meem eem ellet eveme		670	13	13	0	100%
	009623097	TEST SET, FUEL SYSTE TEST SET, FUEL SYSTE		670	91	91	0	100%
	009629504	TEST SEL, FUEL SISTE	NORIS	670	20	20	0	100%
	009629504		MIR				0	100%
		MULTIMETER		670	1	1		
			NORIS	670	9 5	8 5	0	89%
		MULTIMETER EDECHENCY MENCIPETYS	MIR	670	3	3	0	100%
		FREQUENCY MEASURING		670	7	3 7	0	100%
		FREQUENCY MEASURING		670	3		0	100%
		VALVE, LINEAR, DIRECT		670	3	3	0	100%
		VALVE, LINEAR, DIRECT		670			0	100%
		TRANSISTOR	NORIS	670	1	1	0	100%
		TRANSISTOR	MIR	670	1	1	0	100%
		VALVE, PNEUMATIC TIR		670	1	1	0	100%
		VALVE, PNEUMATIC TIR		670	1	1	0	100%
	009957716		NORIS	670	8	8	0	100%
	009957716	VOLTMETER	MIR	670	5	5	0	100%
	009974269		NORIS	670	38	35	3	92%
	009974269	1411 # 111	MIR	670	16	16		100%
		MULTIMETER	NORIS	670	2	1	1	50%
		MULTIMETER	MIR	670	2	2	0	100%
	009986303		NORIS	670	1	1	0	100%
	009986303		MIR	670	2	2	0	100%
787	009996832	•		670	5	5	0	100%
		TEST SET, LINE MAINT		670	3	3	0	100%
		CHARGER, BATTERY	NORIS	670	3	2	0	678
		CHARGER, BATTERY	MIR	670	3	3	0	100%
		MULTIMETER	NORIS	670	4	4	0	100%
		MULTIMETER	MIR	670	9	9	0	100%
		PLUG-IN UNIT, ELECTR		670	2	2	0	100%
		PLUG-IN UNIT, ELECTR		670	1	1	0	100%
		TEST SET, RADIO	NORIS	670	12	10	1	83%
		TEST SET, RADIO	MIR	670	3	3	0	100%
		INDICATOR, DIGITAL D		670	11	11	0	100%
		INDICATOR, DIGITAL D		670	6	6	0	100%
	010192228		NORIS	670	1	1	0	100%
	010192228		MIR	670	4	4	0	100%
		MULTIMETER	NORIS	670	103	98	0	95%
		MULTIMETER	MIR	670	81	81	0	100%
803	010245003	LEAD, TEST	NORIS	670	2	2	0	100%

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
804	010245003	LEAD.TEST	MIR	670	2	2	0	100%
		TEST SET, RADIO	NORIS	670	5	4	0	80%
		TEST SET, RADIO	MIR	670	8	8	Ō	100%
		PLUG-IN, ELECTRONIC	NORIS	670	7	7	Ō	100%
		PLUG-IN, ELECTRONIC	MIR	670	3	3	Ō	100%
		SIGNAL GENERATOR-DE		670	2	2	Ō	100%
		SIGNAL GENERATOR-DE		670	7	7	Ö	100%
		OSCILLOSCOPE	NORIS	670	11	11	Ö	100%
		OSCILLOSCOPE	MIR	670	12	12	Ō	100%
		METER, MODULATION	NORIS	670	8	6	Ō	75%
		METER, MODULATION	MIR	670	ī	1	0	100%
		WRENCH, TORQUE	NORIS	670	12	11	1	92%
		WRENCH, TORQUE	MIR	670	2	2	Ō	100%
		MAINFRAME, OSCILLOSC		670	3	3	0	100%
		MAINFRAME, OSCILLOSC		670	1	1	0	100%
		TESTER, CABLE, TIME D		670	62	57	1	92%
		TESTER, CABLE, TIME D		670	64	64	Ō	100%
		CHARGER, BATTERY	NORIS	670	8	8	Ō	100%
		CHARGER, BATTERY	MIR	670	1	1	Ō	100%
		WRENCH, TORQUE	NORIS	670	1	ō	1	0%
		WRENCH, TORQUE	MIR	670	2	2	Ō	100%
		WRENCH, TORQUE	NORIS	670	2	2	0	100%
		WRENCH, TORQUE	MIR	670	1	ī	0	100%
		MULTIMETER	NORIS	670	1	ī	0	100%
		MULTIMETER	MIR	670	2	2	Ō	100%
	010592703			670	2	2	Ō	100%
	010592703	TEST SET, SYNCHROPHA		670	17	17	Ö	100%
		WRENCH, TORQUE	NORIS	670	50	46	4	92%
		WRENCH, TORQUE	MIR	670	49	49	0	100%
		POWER SUPPLY	NORIS	670	3	3	0	100%
		POWER SUPPLY	MIR	670	ĺ	1	Ō	100%
		SEAL, CONICAL, FLARED		670	2	1	0	50%
		SEAL, CONICAL, FLARED		670	1	1	0	100%
		ANALYZER, SPECTRUM	NORIS	670	2	2	0	100%
		ANALYZER, SPECTRUM	MIR	670	1	1	0	100%
		STATOR, ENGINE GENER		670	12	11	1	92%
		STATOR, ENGINE GENER		670	5	5	0	100%
		SWITCH, PUSH	NORIS	670	3	2	1	67%
	010824330	•	MIR	670	10	10	0	100%
843		PUMP UNIT, BREATHABL		670	11	11	0	100%
		PUMP UNIT, BREATHABL		670	18	18	0	100%
		MULTIMETER, DIGITAL	NORIS	670	29	28	0	97%
		MULTIMETER, DIGITAL	MIR	670	12	12	0	100%
		MULTIMETER, DIGITAL	NORIS	670	18	18	0	100%
		MULTIMETER, DIGITAL	MIR	670	14	14	0	100%
	010923278	•	NORIS	670	23	20	3	87%
		WRENCH, TORQUE	MIR	670	5	5	0	100%
		METER, MODULATION	NORIS	670	1	1	0	100%
		•						

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
					_	_	_	
852		METER, MODULATION	MIR	670	3	3	0	100%
853		GENERATOR, FUNCTION	NORIS	670	4	4	0	100%
854		GENERATOR, FUNCTION	MIR	670	4	4	0	100%
855		VOLTMETER	NORIS	670	1	0	0	80
856		VOLTMETER	MIR	670	2	2	0	100%
857		VOLTMETER	NORIS	670	3	3	0	100%
858		VOLTMETER	MIR	670	2	2	0	100%
859		MOTOR DRIVE, CAMERA	NORIS	670	16	16	0	100%
	011092353	•	MIR	670	1	1	0	100%
861	011100225			670	23	19	2	83%
	011100225	CALIPER, SLIDE, DIAME		670	7	7	0	100%
	011104910	ALARM, GAS, AUTOMATIC		670	12	12	0	100%
	011104910	ALARM, GAS, AUTOMATIC		670	16	16	0	100%
	011178808	OHMMETER	NORIS	670	8	3	5	388
	011178808		MIR	670	4	4	0	100%
	011183679	•	NORIS	670	75	72	3	96%
	011183675	•	MIR	670	22	22	0	100%
	011210570	•		670	1	1	0	100%
	011210570	•		670	1	1	0	100%
		METER, IMPEDANCE	NORIS	670	1	1	0	100%
		METER, IMPEDANCE	MIR	670	1	1	0	100%
		PROBE-LEAD ASSEMBLY		670	3	3	0	100%
		PROBE-LEAD ASSEMBLY		670	3	3	0	100%
		GENERATOR, SWEEP	NORIS	670	2	2	0	100%
	011349920		MIR	670	4	4	0	100%
	011410974		NORIS	670	4	4	0	100%
	011410974			670	3	3	0	100%
	011506854	TEST SET, RADIO	NORIS	670	1	1	0	100%
	011506854	TEST SET, RADIO	MIR	670	3	3	0	100%
	011526705	TEST SET, TRANSPONDE		670	13	9	0	69%
	011526705	TEST SET, TRANSPONDE		670	26	20	6	77%
	011541347		NORIS	670	2	2	0	100%
	011541347		MIR	670	1	1	0	100%
		PLUG-IN UNIT, EQUIPM		670	1	1	0	100%
		PLUG-IN UNIT, EQUIPM		670	1	1	0	100%
		TEST SET, RADIO	NORIS	570	1	1	0	100%
	011650437	•	MIR	670	5	5	0	100%
		OSCILLOSCOPE	NORIS	670	7	7	0	100%
		OSCILLOSCOPE	MIR	670	10	10	0	100%
		VOLTMETER, DIGITAL	NORIS	670	1	1	0	100%
		VOLTMETER, DIGITAL	MIR	670	2	2	0	100%
		LUMBAR PUNCTURE KIT		670	1	1	0	100%
		LUMBAR PUNCTURE KIT		670	3	3	0	100%
		WHEEL, ABRASIVE	NORIS	670	2	2	0	100%
		WHEEL, ABRASIVE	MIR	670	4	4	0	100%
897	012023543	WRENCH, TORQUE	NORIS	670	1	1	0	100%
		WRENCH, TORQUE	MIR	670	1	1	0	100%
899	U12044292	TEST SET, ORGANIZATI	NOR1S	670	23	23	0	100%

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
900	012044202	TEST SET, ORGANIZATI	MTD	670	10	10	0	100%
		CONTROLLER	NORIS	670	10	10	0	100%
		CONTROLLER	MIR	670	1	i	0	100%
		MULTIMETER	NORIS	670	42	36	2	86%
		MULTIMETER	MIR	670	104	104	0	100%
			NORIS	670	104	0	0	0%
	012155587	TEST SET, BOMB RACK	MIR	670	1	1	0	100%
		•	NORIS	670	1	1	0	100%
		ANALYZER, BATTERY	MIR	670	1	1	0	100%
		ANALYZER, BATTERY		670	10	10	0	100%
		PLUG-IN UNIT, ELECTR		670	10	10	0	100%
		PLUG-IN UNIT, ELECTR		670	5	5	0	100%
		PLUG-IN UNIT, ELECTR		670	5	5	0	100%
		PLUG-IN UNIT, ELECTR		670	1	1	0	100%
		GENERATOR, SIGNAL	NORIS	670	2	2	0	100%
		GENERATOR, SIGNAL	MIR	670	1	1	0	
		WRENCH, TORQUE	NORIS	670	1	1	0	100% 100%
		WRENCH, TORQUE	MIR	670	11	11	0	100%
		MULTIMETER	NORIS					
		MULTIMETER	MIR	670	9	9	0	100%
	012429970		NORIS	670	1	0	1	0%
	012429970	ANALYZED CDEZEDIN	MIR	670		1	0	100%
		ANALYZER, SPECTRUM	NORIS	670	33	32	0	978
		ANALYZER, SPECTRUM	MIR	670	11	11	0	100%
		ADAPTER, SPECIAL	NORIS	670	3	2	1	67%
		ADAPTER, SPECIAL	MIR	670	7	7	0	100%
		COUNTER, ELECTRONIC,		670	1	1	0	100%
		COUNTER, ELECTRONIC,		670	1	1	0	100%
		MAGAZINE, FILM	NORIS	670	12	8	4	678
		MAGAZINE, FILM	MIR	670	10	10	0	100%
		OSCILLOSCOPE	NORIS	670	1	1	0	100%
		OSCILLOSCOPE	MIR	670	4	4	0	100%
		OSCILLOSCOPE	NORIS	670	4	4	0	100%
		OSCILLOSCOPE	MIR	670	10	10	0	100%
	012639094		NORIS	670	1	1	0	100%
	012639094	WII MINEMED	MIR	670	1	1	0	100%
		MULTIMETER	NORIS	670	1	0	0	80
		MULTIMETER	MIR	670	1	1	0	100%
	012732542		NORIS	670	3	3	0	100%
	012732542	DDIIIED MODOUR	MIR	670	5	5	0	100%
		DRIVER, TORQUE	NORIS	670	1	1	0	100%
		DRIVER, TORQUE	MIR	670	4	3	0	75%
		GUN, HEATER, NITROGEN		670	3	3	0	100%
		GUN, HEATER, NITROGEN		670	1	1	0	100%
		RIBBON, COMPUTING MA		670	1	1	0	100%
		RIBBON, COMPUTING MA		670	3	3	0	100%
	012926225		NORIS	670	6	5	1	83%
	012926225	MDINCEED CORPORT	MIR	670	2	2	0	100%
74/	012902642	TRANSFER SCREEN, VID	MOKIZ	670	5	4	1	808

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
948	012952642	TRANSFER SCREEN, VID	MIR	670	1	1	0	100%
		PACKING, PREFORMED	NORIS	670	1	1	0	100%
950	012998229	PACKING, PREFORMED	MIR	670	1	1	0	100%
951	013052027	STUD, PLAIN	NORIS	670	1	1	0	100%
952	013052027	STUD, PLAIN	MIR	670	2	2	0	100%
953	013101124	VALVE, GLOBE	NORIS	670	3	2	1	67%
954	013101124	VALVE, GLOBE	MIR	670	4	4	0	100%
		ADAPTER, CABIN, CARGO		670	1	1	0	100%
		ADAPTER, CABIN, CARGO	MIR	670	1	1	0	100%
957	013161835	ENGINE, TEST SET	NORIS	670	15	7	0	478
		ENGINE, TEST SET	MIR	670	52	52	0	100%
		BRIDGE, IMPEDANCE	NORIS	670	1	1	0	100%
		BRIDGE, IMPEDANCE	MIR	670	2	2	0	100%
	013252900		NORIS	670	44	41		93%
	013252900		MIR	670	13	13	0	100%
		CHEMICAL LIGHT STRA		670	1	1	0	100%
		CHEMICAL LIGHT STRA		670	9	9	0	100%
		TEST SET SUBASSEMBL		670	13	13		100%
		TEST SET SUBASSEMBL		670	2	2	0	100%
967		WATTMETER	NORIS	670	1	1	0	100%
	013288700	WATTMETER	MIR	670	3	3	0	100%
	143291613		NORIS	670	3	3	0	100%
970	143291613		MIR	670	1	1	0	100% -
		NORTH ISLAND TOTAL:			1743	1656	46	95%
		MIRAMAR TOTAL:				2072	7	
								-
		SUM TOTAL:			3997	3872	74	97%
WORK	CENTER 69	A						
		MODULE, RELAY ASSEMB	NORIS	69A	1	1	0	100%
		MODULE, RELAY ASSEMB		69A	4	4	0	100%
		POWER SUPPLY	NORIS	05A	5	0	5	98
		POWER SUPPLY	MIR	69A	11	2	9	18%
975	012225158	DISK DRIVE	NORIS	69A	2	0	2	80
976	012225158	DISK DRIVE	MIR	69A	1	1	0	100%
		NORTH ISLAND TOTAL:			8	1	7	- 13%
		MIRAMAR TOTAL:			16	7	9	44%
								-
		SUM TOTAL:			24	8	16	33%
WORK	CENTER 812	A						
977	001094606	ACTUATOR, PARACHUTE	NORIS	81A	10	0	10	0%
		ACTUATOR, PARACHUTE	MIR	81A	2	0	2	0%
979	010762717	CANOPY, PERSONNEL PA	NORIS	81A	2	0	2	0%

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
980	010762717	CANOPY, PERSONNEL PA	MIR	81 <b>A</b>	5	_	4	
981	010776871	CONTAINER ASSEMBLY	NORIS	81A	6		6	
982	010776871	CONTAINER ASSEMBLY	MID	ΩΙλ	Л	0	4 10	
		GUN ASSEMBLY, SPREAD	NORIS	81A	10			
		GUN ASSEMBLY, SPREAD		81A 81A 81A		0		
985	011303120	HARNESS, PERSONNEL P	NORIS	RIV	1	Ü	1 0 9	0%
986	011303120	HARNESS, PERSONNEL P	MTK	81A	1	Ţ	0	100%
987	012118544	SPREADING GUN ASSEM	NOKIS	013	9 2			0% 0%
988	012118544	HARNESS, PERSONNEL P HARNESS, PERSONNEL P SPREADING GUN ASSEM SPREADING GUN ASSEM	MIK	SIA		0	ک 	
		NORTH ISLAND TOTAL:			38	0		0%
		MIRAMAR TOTAL:			23	3	20	13%
		SUM TOTAL:			61		58	- 5%
	CENTER 811							
		LIFE RAFT, INFLATABL					19	14%
		LIFE RAFT, INFLATABL			1		1	98 058
		SURVIVAL KIT CONTAI			21		1 0	95%
		SURVIVAL KIT CONTAI			4 1			100%
		SURVIVAL KIT CONTAI			6		0	100%
		SURVIVAL KIT CONTAI			6			100% 100%
		SURVIVAL KIT CONTAI SURVIVAL KIT CONTAI		81B 81B			0 1	83%
		SURVIVAL KIT CONTAI		81B	2		0	100%
		SURVIVAL KIT CONTAI		81B	2		0	100%
		LIFE RAFT, INFLATABL				9		64%
		LIFE RAFT, INFLATABL		81B			0	
		LIFE PRESERVER, YOKE			263			85%
		LIFE PRESERVER, YOKE		81B	168			86%
		LIFE PRESERVER, YOKE			66		2	
		LIFE PRESERVER, YOKE		81B	354	259		73%
		COVERALLS, FLYERS, AN		81B	8	4	4	50%
		COVERALLS, FLYERS, AN		81B	65	58	7	89%
1007	012434523	BAG, EQUIPMENT, RESCU	NORIS	81B	1	0	1	98
1008	012434523	BAG, EQUIPMENT, RESCU	MIR	81B	1	1	0	100%
		NORTH ISLAND TOTAL:			407	332	75	82%
		MIRAMAR TOTAL:			607	484	86	80%
		SUM TOTAL:			1014	816	161	80%
MODA	CENTER 810	•						
		CYLINDER ASSEMBLY	NORIS	81C	4	1	3	25%
		CYLINDER ASSEMBLY	MIR	81C	1	0	1	0%
		CONVERTER, LIQUID OX		81C	4	3	1	75%
T 0 T T	0010/0300	COMADIVIDICATION ON	HOWED	010	7	3	1	, , , ,

LINE	NIIN	NOMEN	AIMD	WC	PROC	RFI	BCM	RFI %
		CONVERTER, LIQUID OX		81C	15	11	4	73%
		REGULATOR, OXYGEN, DI		81C	1	0	1	80
		REGULATOR, OXYGEN, DI		81C	1	1	0	100%
		CONVERTER, LIQUID OX		81C	106	69		65%
		CONVERTER, LIQUID OX		81C	339	281	58	83%
		HOSE, OXYGEN	NORIS	81C	7	2	5	29%
		HOSE, OXYGEN	MIR	81C	8	2	6	25%
		HOSE ASSY, SURVIVAL		81C	37	9		24%
		HOSE ASSY, SURVIVAL	MIR	81C	29	16	13	55%
		REGULATOR, OXYGEN, DE		81C	2	2	0	100%
		REGULATOR, OXYGEN, DE	MIR	81C	12	12	0	100%
1023	010605027	CYLINDER ASSEMBLY	NORIS	81C	3	1	2	33%
1024	010605027	CYLINDER ASSEMBLY	MIR	81C	11	0	11	0%
1025	011018827	REGULATOR, OXYGEN, TR	NORIS	81C	5	4	1	80%
1026	011018827	REGULATOR, OXYGEN, TR	MIR	05A	6	0	6	0%
1027	011794064	CONVERTER, LIQUID OX	NORIS	81C	13	12	1	92%
		CONVERTER, LIQUID OX		81C	60	54	6	90%
		EGRESS DEVICE, VEST	NORIS	81C	477	435	42	91%
		EGRESS DEVICE, VEST	MIR	81C	3	2	0	67%
								-
		NORTH ISLAND TOTAL:			659	538	121	82%
		MIRAMAR TOTAL:			485	379	101	78%
								-
		SUM TOTAL:			1144	917	222	80%
MODW	05W555 044	_						
	CENTER 940		MODIC	040	_	_	_	409
		GENERATOR, ENGINE AC		940	5	2	3	40%
		GENERATOR, ENGINE AC		05A	5	0	5	80
		RELAY, ELECTRICAL	NORIS	940	1	1	0	100%
		RELAY, ELECTRICAL	MIR	05A	1	0	1	80
		RELAY, ELECTROMAGNET		940	3	3	0	100%
		RELAY, ELECTROMAGNET		05A	1	0	1	0%
		ACTUATOR, GOVERNOR	NORIS	940	8	4	4	50%
		ACTUATOR, GOVERNOR	MIR	05A	6	0	6	0%
		RELAY, ELECTROMAGNET		940	5	3	2	60%
		RELAY, ELECTROMAGNET		05A	3	0	3	0%
	007162024		NORIS	940	1	1	0	100%
1042	007162024	VALVE	MIR	05A	7	0	7	0%
								•
		NORTH ISLAND TOTAL:			23	14	9	61%
		MIRAMAR TOTAL:			23	0	23	98
		SUM TOTAL:			46	14	32	30%

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